

=> FIL REG

FILE 'REGISTRY' ENTERED AT 16:11:47 ON 11 AUG 2009
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=> D HIS

FILE 'HCAPLUS' ENTERED AT 11:15:32 ON 11 AUG 2009
E US2006-538024/APPS

L1 1 S E3
SEL L1 RN

FILE 'REGISTRY' ENTERED AT 11:15:51 ON 11 AUG 2009
2 S E1-2

L2

FILE 'LREGISTRY' ENTERED AT 11:18:52 ON 11 AUG 2009
E POLYOLEFIN/PCT

L3 301 S E3
L4 163 S L3 NOT RSD/FA
L5 2537 S (C (L) H)/ELS (L) 2/ELC.SUB
L6 63 S L4 AND L5
L7 STR

FILE 'REGISTRY' ENTERED AT 11:26:03 ON 11 AUG 2009

L8 6 S L7
L9 1906 S L6
L10 SCR 1199
L11 17 S L7 AND L10

FILE 'LREGISTRY' ENTERED AT 13:19:34 ON 11 AUG 2009

L12 STR

FILE 'REGISTRY' ENTERED AT 13:31:10 ON 11 AUG 2009

L13 38 S L12
L14 27 S L12 AND L10
L15 SCR 2043
L16 0 S L12 AND L10 NOT L15
L17 SCR 2094
L18 27 S L12 AND L10 AND L17

FILE 'LREGISTRY' ENTERED AT 13:37:15 ON 11 AUG 2009

L19 STR L12

FILE 'REGISTRY' ENTERED AT 13:38:42 ON 11 AUG 2009

L20 37 S L19

FILE 'LREGISTRY' ENTERED AT 13:39:16 ON 11 AUG 2009

L21 STR L12

FILE 'REGISTRY' ENTERED AT 13:41:50 ON 11 AUG 2009

L22 0 S L21
L23 0 S CSS L21 SAM
L24 1 S L2 AND N/ELS
L25 2848265 S (C (L) H (L) O)/ELS (L) 3/ELC.SUB
L26 331542 S L25 NOT RSD/FA
L27 279819 S L26 NOT PMS/CI
L28 11 S L12 SSS SAM SUB=L27
L29 7 S L28 AND 1/NC

L31 0 S L30
 L32 SCR 1312 AND 1707
 L33 SCR 963 OR 1700 OR 1506
 L34 0 S L30 AND L32 AND L33
 L35 0 S CSS L30 AND L32 AND L33 SAM
 L36 1 S L30 CSS SAM SUB=L27
 L37 1 S L30 CSS SAM SUB=L27
 L38 36 S L30 CSS FUL SUB=L27
 SAV L38 HAM024/A
 L39 3 S L38/INC
 L40 33 S L38 NOT L39
 E C27 H52 O3/MF
 L41 1 S E3 AND L40
 L42 32 S L40 NOT L41
 E C21 H42 O3/MF
 L43 1 S E3 AND L42
 L44 31 S L42 NOT L43
 E C17 H34 O3/MF
 L45 1 S E3 AND L44
 L46 30 S L44 NOT L45
 E C19 H38 O3/MF
 L47 1 S E3 AND L46
 L48 29 S L46 NOT L47
 E C32 H64 O3/MF
 L49 3 S E3 AND L48
 E HEXACOSANOIC ACID, 6-HYDROXYHEXYL ESTER/CN
 L50 1 S E3
 L51 28 S L48 NOT L50
 E OCTACOSANOIC ACID, 4-HYDROXYBUTYL ESTER/CN
 L52 27 S L51 NOT E3
 E C25 H48 O3/MF
 L53 2 S E3 AND L52
 E 13-DOCOSENOIC ACID, 3-HYDROXYPROPYL ESTER, (13Z)-/CN
 L54 26 S L52 NOT E3
 E C25 H50 O3/MF
 L55 2 S E3 AND L54
 E DOCOSANOIC ACID, 3-HYDROXYPROPYL ESTER/CN
 L56 25 S L54 NOT E3
 L57 8 S L40 NOT L56
 L58 0 S L56 AND L57
 SAV L58 HAM024A/A

FILE 'HCAPLUS' ENTERED AT 15:52:12 ON 11 AUG 2009

L59 51 S L56
 L60 13 S L57
 L61 TRA L59 1- RN : 539 TERMS

FILE 'REGISTRY' ENTERED AT 15:58:36 ON 11 AUG 2009

L62 539 SEA L61
 L63 77 S L62 AND N/ELS
 L64 50 S L63 AND 1/NC
 L65 1 S E3
 E 1-PROPANAMINIUM, 3-AMINO-N-(CARBOXYMETHYL)-N,N-DIMETHYL
 L66 1 S E3
 L67 2 S L65 OR L66

FILE 'HCAPLUS' ENTERED AT 16:04:24 ON 11 AUG 2009

L68 1 S L59 AND L67
 L69 1 S L60 AND L67
 L70 50 S L59 NOT L68

		E BORNEMANN S/AU
L71	82	S E3 OR E6 OR E7
		E JOERRES V/AU
L72	5	S E3-E4
		E VOGES M/AU
L73	10	S E3 OR E12
		E COROVIN G/CO
		E E5+ALL
L74	44	S E1-2/CO,CS,PA
L75	0	S L69 AND (L71 O
L76	1	S L70 AND (L71 O
L77	49	S L70 NOT L76
L78	44	S 1808-2003/PY,P

FILE 'REGISTRY' ENTERED AT 16:11:47 ON 11 AUG 2009

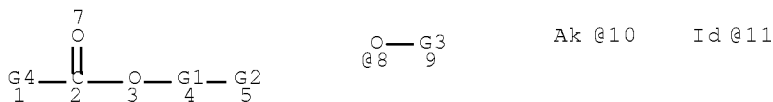
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L25 2848265 SEA FILE=REGISTRY SPE=ON ABB=ON PLU=ON (C (L) H (L)
 O)/ELS (L) 3/ELC.SUB

L26 331542 SEA FILE=REGISTRY SPE=ON ABB=ON PLU=ON L25 NOT RSD/FA

L27 279819 SEA FILE=REGISTRY SPE=ON ABB=ON PLU=ON L26 NOT PMS/CI

L30 STR



REP G1=(1-6) CH2

VAR G2=OH/8

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VAR G3=ME/ET/N-PR/I-PR/N-BU/I-BU/S-BU/T-BU
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VAR G4=10/11
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NODE ATTRIBUTES:

DEFAULT MLEVEL IS ATOM

DEFAULT ECLEVEL IS LIMITED

ECOUNT IS M20 C AT 10

GRAPH ATTRIBUTES:

RING(S) ARE ISOLATED OR EMBEDDED

NUMBER OF NODES IS 10

STEREO ATTRIBUTES: NONE

L38 36 SEA FILE=REGISTRY SUB=L27 CSS FUL L30

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100.0% PROCESSED      95641 ITERATIONS (      3 INCOMPLETE)
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36 ANSWERS

SEARCH TIME: 00.00.02

=> FIL HCAP

FILE 'HCAPLUS' ENTERED AT 16:12:03 ON 11 AUG 2009

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

=> D L68 1 IBIB ABS HITSTR HITRN RETABLE

L68 ANSWER 1 OF 1 HCAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 2005:517408 HCAPLUS Full-text

DOCUMENT NUMBER: 143:39510

TITLE: Improved parasiticide composition

INVENTOR(S): Lau, Kai Kin; Wilson, Michael Thomas; Lowden,
Charles Stewart; Holdsworth, Marcus; Ford, Brian
Desmond; Whittem, Edward Lionel Bruce

PATENT ASSIGNEE(S): Jurox Pty Ltd., Australia

SOURCE: PCT Int. Appl., 40 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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WO 2005053746	A1	20050616	WO 2004-AU1688	200412 02

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA,
CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP,
KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW,
MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD,
SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ,
VC, VN, YU, ZA, ZM, ZW

RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW,
AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ,
DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC,
NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA,
GN, GQ, GW, ML, MR, NE, SN, TD, TG

AU 2004294226	A1	20050616	AU 2004-294226	200412 02
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EP 1694362	A1	20060830	EP 2004-801110	200412 02
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R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC,
PT, IE, SI, LT, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK, IS

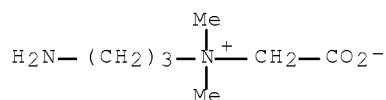
PRIORITY APPLN. INFO.:	AU 2003-906726	A	200312 04
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WO 2004-AU1688	W	200412 02
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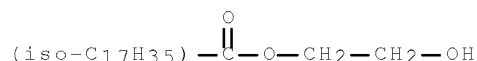
AB A parasiticide composition for veterinary use is described. The composition is water washable and comprises 0.01 - 30% w/v of one or more insect growth regulators; 0.01 - 20% w/v of one or more emollients; with the balance being one or more organic solvents.

IT 36574-66-00, N-coco acyl derivs.
(Cocoamidopropyl betaine; improved parasiticide composition)

RN 36574-66-0 HCAPLUS
 CN 1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, inner salt
 (CA INDEX NAME)



IT 202189-09-1
 (improved parasiticide composition)
 RN 202189-09-1 HCAPLUS
 CN Isooctadecanoic acid, 2-hydroxyethyl ester (CA INDEX NAME)



IT 36574-66-0D, N-coco acyl derivs.
 (Cocoamidopropyl betaine; improved parasiticide composition)
 IT 202189-09-1
 (improved parasiticide composition)

RETABLE

Referenced	Author	Year	VOL	PG	Referenced Work	
	(RAU)	(RPY)	(RVL)	(RPG)	(RWK)	File
=====	+	=====	+	=====	+	=====
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Jurox Pty Ltd	2002			AU 2002100152 B4		HCAPLUS
Jurox Pty Ltd	2003			AU 2003100144 A4		HCAPLUS

=> D L76 1 IBIB ABS HITSTR HITRN RETABLE

L76 ANSWER 1 OF 1 HCAPLUS COPYRIGHT 2009 ACS on STN
 ACCESSION NUMBER: 2004:515587 HCAPLUS Full-text
 DOCUMENT NUMBER: 141:72930
 TITLE: Production of hydrophilic polyolefin fiber compositions
 INVENTOR(S): Bornemann, Steffen; Joerres, Volker; Voges, Michael
 PATENT ASSIGNEE(S): Corovin GmbH, Germany
 SOURCE: PCT Int. Appl., 28 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: German
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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WO 2004052985	A1	20040624	WO 2003-EP13826	200312 06
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
DE 10257730	A1	20040708	DE 2002-10257730	200212 11
DE 10307867	A1	20040916	DE 2003-10307867	200302 25
AU 2003292204	A1	20040630	AU 2003-292204	200312 06
AU 2003292204	B2	20070517		
EP 1581590	A1	20051005	EP 2003-767762	200312 06
EP 1581590	B1	20060419		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
CN 1723240	A	20060118	CN 2003-80105607	200312 06
JP 2006509897	T	20060323	JP 2005-502314	200312 06
AT 323740	T	20060515	AT 2003-767762	200312 06
ES 2263032	T3	20061201	ES 2003-767762	200312 06
MX 2005006208	A	20050819	MX 2005-6208	200506 10
US 20070167549	A1	20070719	US 2006-538024	200611 21
JP 2008255365	A	20081023	JP 2008-166631	200806 25
PRIORITY APPLN. INFO.:			DE 2002-10257730	A 200212 11
			DE 2003-10307867	A 200302 25

JP 2005-502314

A3

200312
06

WO 2003-EP13826

W

200312
06

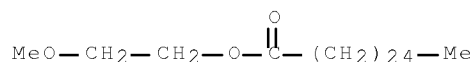
AB The title compns., useful in fibers, filaments, and fleeces or their products with permanent hydrophilicity, contain polyolefins with surfaces activated by silicones or quaternary ammonium compds., and fatty acid esters of specified composition. A spun fleece prepared from a blend of polypropene fibers and 2% 2-methoxyethyl hexacosanoate had surface tension 72.5 and 65.5 mN/m, resp., before and after 30 min immersion in water.

IT 709654-78-4

(production of hydrophilic polyolefin fiber compns.)

RN 709654-78-4 HCAPLUS

CN Hexacosanoic acid, 2-methoxyethyl ester (CA INDEX NAME)



IT 709654-78-4

(production of hydrophilic polyolefin fiber compns.)

RETABLE

Referenced Author	Year	VOL	PG	Referenced Work	
Referenced					
(RAU)	(RPY)	(RVL)	(RPG)	(RWK)	File
=====	+	+	+	+	+
==					
Anon				US 20010008965 A1	
Anon				US 20020019184 A1	HCAPLUS
Anon				US 6008145 A	HCAPLUS
Anon				US 6211101 B1	HCAPLUS
OS.CITING REF COUNT:	2			THERE ARE 2 CAPLUS RECORDS THAT CITE THIS	
				RECORD (2 CITINGS)	

=> D L78 1-44 IBIB ABS HITSTR HITRN RETABLE

L78 ANSWER 1 OF 44 HCAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 2005:673715 HCAPLUS Full-text

DOCUMENT NUMBER: 143:148307

TITLE: Use alkoxylated waxes as adjuvants in pesticidal formulations

INVENTOR(S): Heinrichs, Annette; Besold, Bernhard

PATENT ASSIGNEE(S): Germany

SOURCE: Ger. Offen., 9 pp.

CODEN: GWXXBX

DOCUMENT TYPE: Patent

LANGUAGE: German

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.

KIND

DATE

APPLICATION NO.

DATE

DE 10361497

A1

20050728

DE 2003-10361497

200312
23

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PRIORITY APPLN. INFO.:

DE 2003-10361497

200312
23

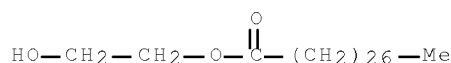
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AB Alkoxyated waxes are adjuvants in formulations for plant protection products or fertilizers in horticulture and agriculture, in particular for spraying applications. The waxes are natural waxes, which contain one or more ester groups, natural waxes with a sum of the functionality of free OH groups and free acid radicals (OHZ + SP) of more than 20, or synthetic waxes or wax mixts. with a sum of the functionality between 20 and 100, individually or in combination. The waxes act as filmogens.

IT 26787-65-5D, montan wax-containing
(use alkoxyated waxes as adjuvants in pesticidal formulations)

RN 26787-65-5 HCAPLUS

CN Octacosanoic acid, 2-hydroxyethyl ester (CA INDEX NAME)



IT 26787-65-5D, montan wax-containing
(use alkoxyated waxes as adjuvants in pesticidal formulations)

RETABLE

Referenced Author	Year	VOL	PG	Referenced Work	
(RAU)	(RPY)	(RVL)	(RPG)	(RWK)	File
=====	+	=====	+	=====	+
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Anon				WO 03104330 A1	HCAPLUS
Anon				DE 10136804 A1	HCAPLUS
Anon				DE 19906491 A1	HCAPLUS

L78 ANSWER 2 OF 44 HCAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 2005:121175 HCAPLUS Full-text

DOCUMENT NUMBER: 142:200363

TITLE: Powder composition for paper manufacturing

INVENTOR(S): Hamada, Yoshihito; Kubota, Kazuo; Hiraishi, Atsushi; Kozuka, Jun; Kawaguchi, Takahiro; Miyahara, Tsutomu; Noro, Hiroshi; Ohori, Koichi; Sato, Haruyuki

PATENT ASSIGNEE(S): Kao Corporation, Japan

SOURCE: PCT Int. Appl., 100 pp.
CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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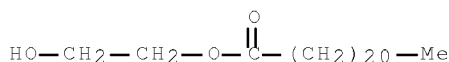
WO 2005012636	A1	20050210	WO 2004-JP11216	
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RW:	BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
CA 2532200	A1	20050210	CA 2004-2532200	200407 29
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EP 1670989	A1	20060621	EP 2004-771243	200407 29
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R: DE, FR, GB				
CN 1833071	A	20060913	CN 2004-80022217	200407 29
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JP 2005060921	A	20050310	JP 2004-225097	200408 02
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JP 2005089953	A	20050407	JP 2004-229499	200408 05
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JP 2005068633	A	20050317	JP 2004-230616	200408 06
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US 20060137844	A1	20060629	US 2005-560582	200512 13
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PRIORITY APPLN. INFO.:			JP 2003-283404	A 200307 31
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			JP 2003-288439	A 200308 07
			<--	
			JP 2003-289811	A 200308 08
			<--	
			WO 2004-JP11216	W 200407 29

AB The powder composition contains a hydrophobic organic compound (A), an emulsifying and dispersing agent (B), and optionally water-soluble saccharides (C) and has an average particle diameter of 0.1 to 2000 μm . Bulking agent for paper comprising an ester of a polyhydric alc. and a fatty acid, and particles for paper manufacturing comprising oil droplets enclosed in a water-soluble solid matrix are also disclosed. Use of the powder composition makes it possible to improve the paper properties such as the bulking property and sizing property without requiring a preliminary step of heating and dissoln. or emulsification. Thus, dry blending and pulverizing 80 parts pentaerythritol stearate with 20 parts cetyltrimethylammonium chloride gave a powder having transmittance 0%, average particle diameter 50 μm , d. 0.475 g/cm³, whiteness 87.5%, opacity 92.2%, Stockigt sizing degree 71 s and good dispersibility.

IT 109376-47-8, Ethylene glycol monobehenate
(powder composition; manufacture of powder composition for papermaking)

RN 109376-47-8 HCAPLUS

CN Docosanoic acid, 2-hydroxyethyl ester (CA INDEX NAME)



IT 109376-47-8, Ethylene glycol monobehenate
(powder composition; manufacture of powder composition for papermaking)

RETABLE

Referenced Author (RAU)	Year (RPY)	VOL (RVL)	PG (RPG)	Referenced Work (RWK)	File
Akzo Nobel Nv	1998			WO 9833980 A	HCAPLUS
Kao Corp	2000			EP 1001082 A	HCAPLUS
Kao Corp	2000			EP 1016755 A	HCAPLUS
Mashburn, R	1946			US 2401090 A	HCAPLUS
Ransburg Electro-Coatin	1971			GB 1221952 A	
Wilson, E	1944			US 2341302 A	HCAPLUS
OS.CITING REF COUNT: 1 THERE ARE 1 CAPLUS RECORDS THAT CITE THIS RECORD (1 CITINGS)					

L78 ANSWER 3 OF 44 HCAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 2004:700653 HCAPLUS Full-text

DOCUMENT NUMBER: 141:208263

TITLE: **Noncrystalline ethylene terephthalate polymer compositions and their sheets with suppressed plate out in calendering and good printability**

INVENTOR(S): Takeoka, Shinichi; Ishihara, Akiko

PATENT ASSIGNEE(S): Achilles Corp., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 9 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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JP 2004238534 A 20040826 JP 2003-29975

200302
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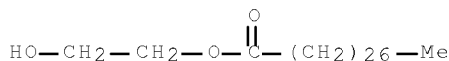
JP 4156395 B2 20080924
PRIORITY APPLN. INFO.: JP 2003-29975

200302
06

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AB Title compns. comprise (A) 100 parts resins mainly containing **noncryst. ethylene terephthalate polymers** and (B) 0.1-4 parts lubricants containing **olefin waxes 0.01-1, fatty esters 0.001-0.5, and fatty ester Ca salts 0.01-2.5 parts**. Thus, a composition comprising Tsunami GS 2 (terephthalic acid-ethylene glycol-1,4-cyclohexanedimethanol copolymer) 75, Parapet SA 1000F10 (soft acrylic resin) 25, oxidized polyethylene wax 0.2, ethylene glycol montanate Ca salt 0.6, and ethylene glycol montanate 0.2 part was kneaded and calendered to give a sheet with good roll releasability. The sheets printed with Vinyate (printing ink) showed ink-peeled area <15% in cross cut adhesion test (JIS K 5600).

IT 26787-65-5
 (lubricant; noncryst. ethylene terephthalate polymer compns. with no lubricant plate out for calendering)
RN 26787-65-5 HCAPLUS
CN Octacosanoic acid, 2-hydroxyethyl ester (CA INDEX NAME)



IT 26787-65-5
 (lubricant; noncryst. ethylene terephthalate polymer compns. with no lubricant plate out for calendering)
OS.CITING REF COUNT: 3 THERE ARE 3 CAPLUS RECORDS THAT CITE THIS RECORD (3 CITINGS)

L78 ANSWER 4 OF 44 HCAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 2004:139104 HCAPLUS Full-text
DOCUMENT NUMBER: 140:186988
TITLE: Cosmetics containing isostearic acid esters
INVENTOR(S): Nakae, Iwakazu; Shiroshita, Hiroshi; Koji, Akio
PATENT ASSIGNEE(S): Noevir Co., Ltd., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 34 pp.
 CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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JP 2004051586	A	20040219	JP 2002-213545	

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JP 4111766
PRIORITY APPLN. INFO.:

B2 20080702

JP 2002-213545

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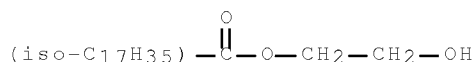
OTHER SOURCE(S): MARPAT 140:186988

AB Cosmetics, which show improved use feel, contain isostearic acid esters except for polyglyceryl isostearates or monoglyceryl isostearates. A cosmetic emulsion was prepared from stearic acid 2.00, cetyl alc. 1.50, decamethylpentacyclosiloxane 3.00, di-Me polysiloxane 5.00, isostearic acid ester 3.00, vaseline 0.50, polyoxyethylene monooleate 2.00, carboxyvinyl polymer solution 20.00, 1,3-butylene glycol 5.00, glycerin 3.00, KOH solution 10.00, methylparaben, and H2O to 100 weight%.

IT 202189-09-1, Ethylene glycol monoisostearate
(cosmetics containing isostearic acid esters)

RN 202189-09-1 HCAPLUS

CN Isooctadecanoic acid, 2-hydroxyethyl ester (CA INDEX NAME)



IT 202189-09-1, Ethylene glycol monoisostearate
(cosmetics containing isostearic acid esters)

L78 ANSWER 5 OF 44 HCAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 2003:991584 HCAPLUS Full-text

DOCUMENT NUMBER: 140:43759

TITLE: Mixtures of finely ground waxes

INVENTOR(S): Heinrichs, Franz-Leo; Krendlinger, Ernst

PATENT ASSIGNEE(S): Clariant G.m.b.H., Germany

SOURCE: PCT Int. Appl., 25 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: German

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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WO 2003104330	A1	20031218	WO 2003-EP5669	200305 30

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W: CN, JP, US

RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU,

IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR

DE 10224845 A1 20031224 DE 2002-10224845

200206
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EP 1513898 A1 20050316 EP 2003-757006

200305
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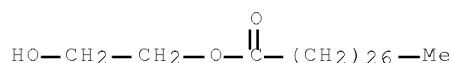
200206
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IT  26787-65-5, Ethanediol monomontanate
      (mixts. of finely ground waxes)
RN  26787-65-5  HCAPLUS
CN  Octacosanoic acid, 2-hydroxyethyl ester  (CA INDEX NAME)

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OS.CITING REF COUNT: 2 THERE ARE 2 CAPLUS RECORDS THAT CITE THIS
RECORD (2 CITINGS)

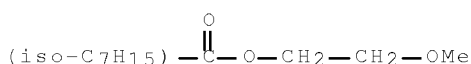
L78 ANSWER 6 OF 44 HCAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 2003:673774 HCAPLUS Full-text
DOCUMENT NUMBER: 139:175198
TITLE: Biodegradable spreaders comprising carboxylate

INVENTOR(S): Kito, Nobuomi; Mori, Nobuaki; Yasue, Hideyuki
 PATENT ASSIGNEE(S): Takemoto Oil and Fat Co., Ltd., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 10 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2003238307	A	20030827	JP 2002-45619	20020222
JP 3739710	B2	20060125	JP 2002-45619	20020222

PRIORITY APPLN. INFO.:
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OTHER SOURCE(S): MARPAT 139:175198
 AB The compns. contain (a) spreaders chosen from (RCO₂)_mX(OH)_n (I; R = C₆-9 aliphatic hydrocarbyl; X = C₂-8 aliphatic alc. residue; m = 1-3; n = 0-3; 1 ≤ m + n ≤ 4) and their phosphate or sulfate salts 0.1-10, (b) active ingredients 0.1-80, (c) flow aids 1-80, and (d) extenders 1-80 weight% (a + b + c + d ≥ 90 weight%). I (R = heptyl, X = propylene glycol residue, m = n = 1) 2, cafenstrole 20, hollow glass 35, and bentonite-clay mixture 43 weight parts were mixed to give a flowable composition
 IT 581100-98-3P (biodegradable spreaders comprising carboxylate esters for agrochem. flowable compns.)
 RN 581100-98-3 HCAPLUS
 CN Isooctanoic acid, 2-methoxyethyl ester (9CI) (CA INDEX NAME)



IT 581100-98-3P (biodegradable spreaders comprising carboxylate esters for agrochem. flowable compns.)
 OS.CITING REF COUNT: 1 THERE ARE 1 CAPLUS RECORDS THAT CITE THIS RECORD (1 CITINGS)

L78 ANSWER 7 OF 44 HCAPLUS COPYRIGHT 2009 ACS on STN
 ACCESSION NUMBER: 2003:405931 HCAPLUS Full-text
 DOCUMENT NUMBER: 139:179906
 TITLE: Hemisynthesis and preliminary evaluation of novel endocannabinoid analogues
 AUTHOR(S): El Fangour, Siham; Balas, Laurence; Rossi, Jean-Claude; Fedenyuk, Andrey; Gretskeya, Natalia; Bobrov, Mikhail; Bezuglov, Vladimir; Hillard, Cecilia J.; Durand, Thierry
 CORPORATE SOURCE: Faculte de Pharmacie, UMR CNRS 5074,

SOURCE: Montpellier, F-34093, Fr.
 Bioorganic & Medicinal Chemistry Letters (2003), 13(12), 1977-1980
 CODEN: BMCLE8; ISSN: 0960-894X
 PUBLISHER: Elsevier Science B.V.
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 OTHER SOURCE(S): CASREACT 139:179906

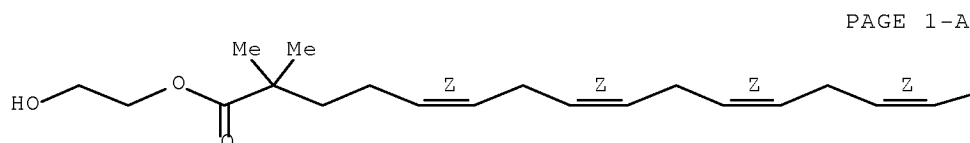
AB Three new endocannabinoid analogs in which amide moiety was replaced either by oxomethylene group or ester moiety with simultaneous substitution of both α -hydrogens with Me groups were synthesized and their abilities to interact with CB1-receptor and FAAH were investigated.

IT 577973-78-5P
 (hemisynthesis of endocannabinoid analogs from arachidonic acid and binding CB-1 receptor and fatty acid amide hydrolase)

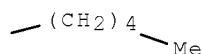
RN 577973-78-5 HCAPLUS

CN 5,8,11,14-Eicosatetraenoic acid, 2,2-dimethyl-, 2-hydroxyethyl ester, (5Z,8Z,11Z,14Z)- (CA INDEX NAME)

Double bond geometry as shown.



PAGE 1-B



IT 577973-78-5P
 (hemisynthesis of endocannabinoid analogs from arachidonic acid and binding CB-1 receptor and fatty acid amide hydrolase)

RETABLE

Referenced Author	Year	VOL	PG	Referenced Work	
(RAU)	(RPY)	(RVL)	(RPG)	(RWK)	File
=====+=====+=====+=====+=====+=====					
Berglund, B	1998	59	111	Prostaglandins Leuko	HCAPLUS
Bezuglov, V	2001	11	447	Biomed Chem Lett	HCAPLUS
Bezuglov, V	1998	24	833	Russian J Bioorg Che	
Cravatt, B	1995	268	1506	Science	HCAPLUS
Devane, W	1992	258	1946	Science	HCAPLUS
Goutopoulos, A	2002	95	103	Pharmacol Ther	HCAPLUS
Hanus, L	2001	98	3662	PNAS	HCAPLUS
Huang, S	2001	276	42639	J Biol Chem	HCAPLUS
Huang, S	2002	99	8400	Proc Natl Acad Sci U	HCAPLUS
Jarrahian, A	2000	74	2597	J Neurochem	HCAPLUS
Khanolkar, A	1999	65	607	Life Sciences	HCAPLUS

Lopez-Rodriguez, M	2001	44	4505	J Med Chem	HCAPLUS
Mechoulam, R	1995	50	83	Biochem Pharmacol	HCAPLUS
Mechoulam, R	1998	359	1	Eur J Pharmacol	HCAPLUS
Mechoulam, R	2002	8	58	Trends in Molecular	HCAPLUS
Ng, E	1999	42	1975	J Med Chem	HCAPLUS
Porter, A	2002	301	1020	J Pharmacol Exp Ther	HCAPLUS
Regio, P	2002	66	143	Prostaglandins Leuko	
Sheskin, T	1997	40	659	J Med Chem	HCAPLUS
Sugiura, T	1995	215	89	Biochem Biophys Res	HCAPLUS
Sugiura, T	1995	512	89	Biochem Biophys Res	
Sugiura, T	1999	274	2794	J Biol Chem	HCAPLUS
Suhara, Y	2001	11	1985	Bioorg Med Chem Lett	HCAPLUS
Tamaru, Y	1985	26	5529	Tetrahedron Lett	HCAPLUS
Van der Stelt, M	2002	45	3709	J Med Chem	HCAPLUS

OS.CITING REF COUNT: 2 THERE ARE 2 CAPLUS RECORDS THAT CITE THIS RECORD (2 CITINGS)

L78 ANSWER 8 OF 44 HCAPLUS COPYRIGHT 2009 ACS on STN
 ACCESSION NUMBER: 2002:765946 HCAPLUS Full-text
 DOCUMENT NUMBER: 137:295638
 TITLE: **Polybutylene terephthalate composition** for optical housing parts
 INVENTOR(S): Katsumata, Toru; Seito, Hiromitsu
 PATENT ASSIGNEE(S): Polyplastics Co., Ltd., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 13 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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JP 2002294054	A	20021009	JP 2001-100964	20010330

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PRIORITY APPLN. INFO.: JP 2001-100964

20010330

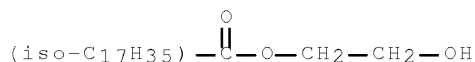
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AB Title composition with good moldability and resistance to abrasion and heat comprises (A) 100 parts of a resin component including a **polybutylene terephthalate resin** with a intrinsic viscosity of 0.5-1.2 dL/g and a rubber-modified styrene resin in a weight ratio of 30:70 to 90:10, (B) 10-100 parts of an inorg. filler, (C) 2-30 parts of an **olefin copolymer**, (D) 0.5-10 parts of **branched ester prepared from a branched fatty acid** and a branched alc., and (E) 0-50 parts of a fire retardant.

IT 202189-09-1, Ethylene glycol monoisostearate
 (polybutylene terephthalate composition for optical housing parts)

RN 202189-09-1 HCAPLUS

CN Isooctadecanoic acid, 2-hydroxyethyl ester (CA INDEX NAME)



IT 202189-09-1, Ethylene glycol monoisostearate
(polybutylene terephthalate composition for optical housing parts)

L78 ANSWER 9 OF 44 HCAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 2002:129225 HCAPLUS Full-text

DOCUMENT NUMBER: 136:184681

TITLE: Polyacetal compositions with good sliding
property and dimensional stability

INVENTOR(S): Tajima, Yoshihisa; Okawa, Hidetoshi; Kawaguchi,
Kuniaki

PATENT ASSIGNEE(S): Polyplastics Co., Ltd., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 11 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

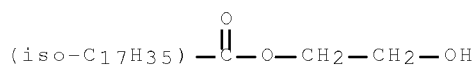
PATENT NO. -----	KIND ----	DATE -----	APPLICATION NO. -----	DATE
JP 2002053731	A	20020219	JP 2000-239382	200008 08
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CN 1337423	A	20020227	CN 2001-125529	200108 08
			<--	
CN 1193070	C	20050316		
PRIORITY APPLN. INFO.:			JP 2000-239382	A 200008 08
			<--	

AB The compns., useful for sliding parts, comprise (A) 100 parts polyacetal copolymers of (a-1) 100 parts trioxane, (a-2) 0.0005-2 parts compds. having ≥ 2 cyclic ether units in a mol., and (a-3) 0-20 parts other copolymerizable cyclic ethers, which are blended with (B) 0.5-40 parts (b-1) graft or block **copolymers of polyolefins with ≥ 1 vinyl polymers and/or (b-2) polyolefins** modified with unsatd. carboxylic acid (anhydrides) and/or (C) 0.1-5 parts lubricants. Thus, a composition containing 100 parts 100/0.1/3.3 trioxane-trimethylolpropane triglycidyl ether-1,3-dioxolane copolymer and 5 parts acrylonitrile-ethylene-styrene graft copolymer showed good wear resistance against steel and polyacetals.

IT 202189-09-1, Ethylene glycol monoisostearate
(lubricant; polyacetal compns. with good sliding property and
dimensional stability)

RN 202189-09-1 HCAPLUS

CN Isooctadecanoic acid, 2-hydroxyethyl ester (CA INDEX NAME)



IT 202189-09-1, Ethylene glycol monoisostearate

(lubricant; polyacetal compns. with good sliding property and dimensional stability)

L78 ANSWER 10 OF 44 HCAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 2001:435177 HCAPLUS Full-text

DOCUMENT NUMBER: 135:20464

TITLE: Branched polyacetal resin composition having good sliding properties

INVENTOR(S): Tajima, Yoshihisa; Okawa, Hidetoshi; Kawaguchi, Kuniaki

PATENT ASSIGNEE(S): Polyplastics Co., Ltd., Japan

SOURCE: PCT Int. Appl., 34 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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WO 2001042357	A1	20010614	WO 2000-JP8543	20001201
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RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR				
JP 2001164085	A	20010619	JP 1999-346044	19991206
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BR 2000007950	A	20020122	BR 2000-7950	20001201
			<--	
EP 1273625	A1	20030108	EP 2000-978072	20001201
			<--	
EP 1273625	B1	20050119		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI, CY, TR				
CN 1176993	C	20041124	CN 2000-809396	20001201
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ES 2231283	T3	20050516	ES 2000-978072	20001201
			<--	
TW 539714	B	20030701	TW 2000-89125747	20001204
			<--	
US 6737475	B1	20040518	US 2001-869806	20010705
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PRIORITY APPLN. INFO.:			JP 1999-346044	A

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WO 2000-JP8543 W

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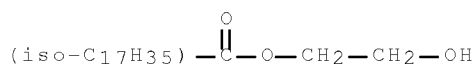
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AB A polyacetal resin material which has excellent sliding properties imparted thereto and gives a molding improved in appearance, dimensional accuracy, mech. properties, etc. The branched polyacetal composition comprises (A) 100 parts branched polyacetal copolymer having oxymethylene groups as the main repeating units and having specific branched units, (B) 0.5-40 parts one or more polymers selected from the group consisting of the following polymers (B-1) graft or block copolymers obtained from (b-1) an olefin polymer and (b-2) at least one vinyl polymer and polymers (B-2) modified olefin polymers obtained by modifying an olefin polymer (b-3) with at least one compds. selected from the group consisting of unsatd. carboxylic acids, unsatd. carboxylic anhydrides, and derivs. of these and/or (C) 0.1-5 parts lubricant.

IT 202189-09-1, Ethylene glycol monoisostearate
(Lubricants; branched polyacetal resin composition)

RN 202189-09-1 HCAPLUS

CN Isooctadecanoic acid, 2-hydroxyethyl ester (CA INDEX NAME)



IT 202189-09-1, Ethylene glycol monoisostearate
(Lubricants; branched polyacetal resin composition)

RETABLE

Referenced Author | Year | VOL | PG | Referenced Work |
Referenced

(RAU) | (RPY) | (RVL) | (RPG) | (RWK) | File

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Polyplastics Co | 1996 | | | JP 08012734 A | HCAPLUS

OS.CITING REF COUNT: 1 THERE ARE 1 CAPLUS RECORDS THAT CITE THIS RECORD (2 CITINGS)

L78 ANSWER 11 OF 44 HCAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 2000:750404 HCAPLUS Full-text

DOCUMENT NUMBER: 133:327648

TITLE: Electrophotographic image formation

INVENTOR(S): Ninomiya, Masanobu; Yoshino, Susumu; Ohya, Yasuhiro; Ohishi, Kaori; Hamano, Koichi; Yoshihara, Kotaro; Taguchi, Tetsuya

PATENT ASSIGNEE(S): Fuji Xerox Co., Ltd., Japan

SOURCE: Jpn. Kokai Tokyo Koho, 14 pp.
CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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JP 2000298394

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JP 1999-108443

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PRIORITY APPLN. INFO.:

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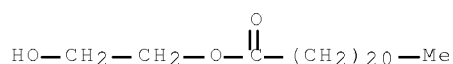
AB In the title method comprising the steps of forming electrostatic latent images on a latent image carrier, conveying a developer held on the surface of a developer carrier to development area, and developing the latent images with the developer in the development area, (A) the developer contains a toner comprising toner particles satisfying the following conditions, (i) the toner particles contain 1-15 weight% of a wax and the rate of exposed area of the wax on the surface of the particles is $\leq 50\%$ and (ii) the ratio of $\leq 4 \mu\text{m}$ in size is ≤ 20 number% in the particle size distribution of the particles and (B) the surface of the developer carrier satisfies the relation $200 \geq (R_z + 20) \geq S_m$ where R_z = 10-point average height (μm) of the surface of the carrier and S_m = average interval (μm) of the unevenness on the surface of the carrier. The developer may contain a toner comprising toner particles containing a wax, fine particles with number average particle diameter 20-100 nm, and abrasive particles. The developer can be conveyed stably for a long period of continuous image formation and high quality images with good fixability and uniformity in image d. are obtained.

IT 109376-47-8

(electrophotog. toner containing wax, fine particles, and abrasive particles)

RN 109376-47-8 HCAPLUS

CN Docosanoic acid, 2-hydroxyethyl ester (CA INDEX NAME)



IT 109376-47-8

(electrophotog. toner containing wax, fine particles, and abrasive particles)

L78 ANSWER 12 OF 44 HCAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 2000:686649 HCAPLUS Full-text

DOCUMENT NUMBER: 133:288816

TITLE: Electrophotographic toner in two-component electrophotographic developer and method for image formation using same

INVENTOR(S): Yoshino, Susumu; Ohya, Yasuhiro; Ninomiya, Masanobu; Hamano, Koichi; Yoshihara, Kotaro; Ohishi, Kaori; Taguchi, Tetsuya

PATENT ASSIGNEE(S): Fuji Xerox Co., Ltd., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 10 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.

KIND

DATE

APPLICATION NO.

DATE

JP 2000267338

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JP 1999-69286

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JP 4057187

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PRIORITY APPLN. INFO.:

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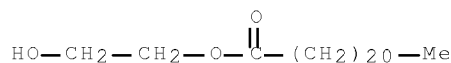
AB The title toner has a binder resin, a colorant, and wax, wherein the wax has 40-120 °C heat-absorbing temperature according to a differential scanning calorimeter, 80-120 °C m.p., and 1-200 cp melt viscosity at 120 °C. The toner has a specific shape constant, and 1.9-4.0 sp. surface area, and 3-10 µm volume average particle diameter The toner shows the excellent storageability and offset-resistance.

IT 109376-47-8

(wax in electrophotog. toner)

RN 109376-47-8 HCAPLUS

CN Docosanoic acid, 2-hydroxyethyl ester (CA INDEX NAME)



IT 109376-47-8

(wax in electrophotog. toner)

OS.CITING REF COUNT: 3 THERE ARE 3 CAPLUS RECORDS THAT CITE THIS RECORD (3 CITINGS)

L78 ANSWER 13 OF 44 HCAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 2000:356459 HCAPLUS Full-text
DOCUMENT NUMBER: 133:6901
TITLE: Aqueous lubricating compositions
INVENTOR(S): Yamamoto, Yasuyoshi; Fukushima, Aritoshi;
Igarashi, Chieko; Saito, Yoko
PATENT ASSIGNEE(S): Asahi Denka Kogyo K. K., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 8 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.

KIND

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APPLICATION NO.

DATE

JP 2000144167

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PRIORITY APPLN. INFO.:

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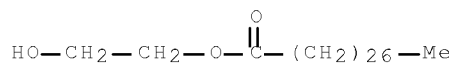
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AB Aqueous lubricating compns. contain (A) water-soluble or water-dispersible resins, e.g., urethane resins, (B) metal atom-containing solid lubricants, e.g., Mo-containing lubricants, and (C) C₂₀ fatty acids, their metal salts or esters or their partial saponified products.

IT 26787-65-5
(aqueous lubricating compns. containing)

RN 26787-65-5 HCAPLUS

CN Octacosanoic acid, 2-hydroxyethyl ester (CA INDEX NAME)



IT 26787-65-5
(aqueous lubricating compns. containing)

OS.CITING REF COUNT: 3 THERE ARE 3 CAPLUS RECORDS THAT CITE THIS RECORD (3 CITINGS)

L78 ANSWER 14 OF 44 HCAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 2000:83231 HCAPLUS Full-text

DOCUMENT NUMBER: 132:127476

TITLE: Use of glyceryl and/or glycol esters of long-chain aliphatic (un)branched fatty acids in cosmetic and dermatological preparations to reinforce the barrier function of the skin

INVENTOR(S): Lanzendoerfer, Ghita; Schreiner, Volker; Hamer, Gunhild

PATENT ASSIGNEE(S): Beiersdorf A.-G., Germany

SOURCE: Ger. Offen., 10 pp.
CODEN: GWXXBX

DOCUMENT TYPE: Patent

LANGUAGE: German

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO. -----	KIND ----	DATE -----	APPLICATION NO. -----	DATE
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PRIORITY APPLN. INFO.: DE 1998-19834813

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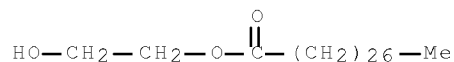
AB The barrier function of the epidermis is reinforced or restored by use of skin-conditioning and skin-cleansing compns. containing ethylene glycol mono- and diesters or glycerin mono-, di-, and triesters with C₂₀₋₄₀ fatty acids. These compns. also are useful for treatment and prophylaxis of fissures, inflammatory or allergic processes in the skin, or neurodermatitis. Thus, a hydrodispersion gel contained stearyl alc. 2.00, behenyl alc. 2.00, ceramide 3 0.20, glyceryl arachidonate 0.50, Carbopol 0.30, hydroxyethylcellulose 0.40, glycerin 3.00, panthenol 1.00, caprylic/capric triglyceride 3.00, iso-Pr palmitate 3.00, shea butter 2.00, antioxidants, preservatives, neutralizing agents, perfume, dyes, and H₂O to 100 weight%.

IT 26787-65-5 103048-83-5 255915-53-8

(use of glyceryl and glycol esters of long-chain fatty acids in cosmetic and dermatol. prepns. to reinforce the skin's barrier function)

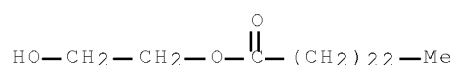
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CN Octacosanoic acid, 2-hydroxyethyl ester (CA INDEX NAME)



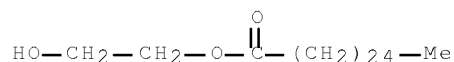
RN 103048-83-5 HCAPLUS

CN Tetracosanoic acid, 2-hydroxyethyl ester (CA INDEX NAME)



RN 255915-53-8 HCAPLUS

CN Hexacosanoic acid, 2-hydroxyethyl ester (CA INDEX NAME)



IT 26787-65-5 103048-83-5 255915-53-8

(use of glyceryl and glycol esters of long-chain fatty acids in cosmetic and dermatol. prepns. to reinforce the skin's barrier function)

RETABLE

Referenced Author	Year	VOL	PG	Referenced Work	
(RAU)	(RPY)	(RVL)	(RPG)	(RWK)	File
=====	+	=====	+	=====	+
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Anon				EP 0775481 A1	HCAPLUS
Anon				EP 0786251 A2	HCAPLUS
Anon				DE 19501288 A1	HCAPLUS
Anon				DE 19543633 A1	HCAPLUS
Anon				DE 19635553 A1	HCAPLUS
Anon				DE 19649101 A1	HCAPLUS
Anon				DE 19711417 A1	HCAPLUS

L78 ANSWER 15 OF 44 HCAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 1999:784319 HCAPLUS Full-text

DOCUMENT NUMBER: 132:37172

TITLE: Paper bulking agents of fatty acid esters

INVENTOR(S): Tadokoro, Takaaki; Ikeda, Yasushi; Ikenaga, Naoyuki; Mori, Atsuhito; Ishibashi, Yoichi; Ishii, Yasuo; Nishimori, Toshiyuki; Takahashi, Hiromichi

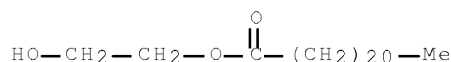
PATENT ASSIGNEE(S): Kao Corporation, Japan
 SOURCE: PCT Int. Appl., 17 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO. -----	KIND ----	DATE -----	APPLICATION NO. -----	DATE
WO 9963156	A1	19991209	WO 1999-JP2947	199906 02
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W: CA, JP, US RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
JP 2971447	B2	19991108	JP 1998-152814	199806 02
<--				
JP 11350380	A	19991221		
CA 2298683	A1	19991209	CA 1999-2298683	199906 02
<--				
CA 2298683	C	20090728		
EP 1001082	A1	20000517	EP 1999-923869	199906 02
<--				
EP 1001082	B1	20030827		
R: DE, ES, FR, GB				
EP 1247898	A1	20021009	EP 2002-13496	199906 02
<--				
EP 1247898	B1	20040526		
R: DE, ES, FR, GB				
ES 2207222	T3	20040516	ES 1999-923869	199906 02
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ES 2229018	T3	20050416	ES 2002-13496	199906 02
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JP 2000034691	A	20000202	JP 1999-200166	199907 14
<--				
JP 3181569	B2	20010703		
US 6599392	B1	20030729	US 2000-463905	200002 02
<--				
PRIORITY APPLN. INFO.:			JP 1998-152814	A 199806 02

<--
EP 1999-923869 A3 199906
02

<--
WO 1999-JP2947 W 199906
02

<--
AB The bulking agents giving bulky sheets without deteriorating the effects of sizing agents contain an ester compound selected from (A) fatty acid esters of polyhydric alcs.; and (B) fatty acid esters of polyhydric alcs. having 0-12 mol (exclusive) of C2-4 oxyalkylene group per mol of the ester compound, and having a m.p. of $\leq 100^\circ$. An LBKP paper containing 0.8% ethylene glycol monolaurate exhibited size degree 66 s and bulkiness 0.382 g/cm³.
IT 109376-47-8, Ethylene glycol monobehenate
(paper bulking agents of fatty acid esters)
RN 109376-47-8 HCAPLUS
CN Docosanoic acid, 2-hydroxyethyl ester (CA INDEX NAME)



IT 109376-47-8, Ethylene glycol monobehenate
(paper bulking agents of fatty acid esters)

RETABLE

Referenced Author	Year	VOL	PG	Referenced Work	
Referenced	(RAU)	(RPY)	(RVL)	(RPG)	(RWK) File
=====+=====+=====+=====+=====+=====					
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Kao Soap Co, Ltd	1982			JP 57-101096 A	HCAPLUS
OS.CITING REF COUNT:	5	THERE ARE 5 CAPLUS RECORDS THAT CITE THIS RECORD (8 CITINGS)			

L78 ANSWER 16 OF 44 HCAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 1999:72157 HCAPLUS Full-text
DOCUMENT NUMBER: 130:176571
TITLE: High-density magnetic recording medium with good running durability
INVENTOR(S): Noguchi, Hitoshi; Nakamigawa, Junichi; Saito, Shinji
PATENT ASSIGNEE(S): Fuji Photo Film Co., Ltd., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 19 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
-----	----	-----	-----	
JP 11025449	A	19990129	JP 1997-181351	199707 07

PRIORITY APPLN. INFO.:

<--
JP 1997-181351

199707
07

<--
AB The recording medium has a magnetic layer containing ferromagnetic powders, a binder, a diester of a glycol and an unsatd. fatty acid, and a monoester of a glycol and an unsatd. fatty acid. The recording medium shows good electromagnetic conversion characteristics and high running durability.

IT 220423-97-2

(high-d. magnetic recording medium containing unsatd. fatty acid ester mixture lubricant)

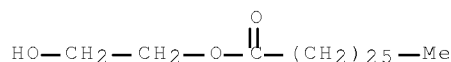
RN 220423-97-2 HCAPLUS

CN Heptacosenoic acid, 2-hydroxyethyl ester (9CI) (CA INDEX NAME)

CM 1

CRN 220423-96-1

CMF C29 H58 O3



IT 220423-97-2

(high-d. magnetic recording medium containing unsatd. fatty acid ester mixture lubricant)

L78 ANSWER 17 OF 44 HCAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 1998:116120 HCAPLUS Full-text

DOCUMENT NUMBER: 128:141520

ORIGINAL REFERENCE NO.: 128:27849a, 27852a

TITLE: Thermoplastic polyester composition having enhanced sliding properties

INVENTOR(S): Katsumata, Toru; Seito, Hiromitsu

PATENT ASSIGNEE(S): Polyplastics Co. Ltd., Japan

SOURCE: Eur. Pat. Appl., 23 pp.

CODEN: EPXXDW

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 816431	A2	19980107	EP 1997-304223	199706 17

<--
EP 816431 A3 19980527
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC,
PT, IE, FI
US 5891943 A 19990406 US 1997-877999

199706
18

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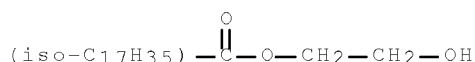
JP 10072546	A	19980317	JP 1997-168509	19970625
			<--	
JP 3316164	B2	20020819		
CN 1170735	A	19980121	CN 1997-104694	19970627
			<--	
CN 1097616	C	20030101		
PRIORITY APPLN. INFO.:			JP 1996-169317	A 19960628

AB A thermoplastic resin composition contains (A) a thermoplastic polyester resin such as **poly(butylene terephthalate)**, (B) a rubber-modified styrenic resin such as an ABS resin, (C) an olefinic copolymer composed of (c-1) an olefinic polymer fragment and (c-2) a vinyl-series polymer fragment and (D) **a branched ester obtainable from a C16-30 fatty acid** and/or alc. having at least one branched chain. This resin composition has improved friction/abrasion characteristics with maintaining its high mech. characteristics, and is useful for providing a molded article including a sliding member. Component (C) decreases the bleeding of component (D) during use and vaporization and spreading of component (D) during extrusion, and using a copolymer for component (C) peeling off of the polyolefin due to component (D) during abrasion.

IT 202189-09-1, Ethylene glycol monoisostearate
(thermoplastic polyester blends having enhanced sliding properties)

RN 202189-09-1 HCAPLUS

CN Isooctadecanoic acid, 2-hydroxyethyl ester (CA INDEX NAME)



IT 202189-09-1, Ethylene glycol monoisostearate
(thermoplastic polyester blends having enhanced sliding
properties)

L78 ANSWER 18 OF 44 HCAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 1996:193513 HCAPLUS Full-text
DOCUMENT NUMBER: 124:328269
ORIGINAL REFERENCE NO.: 124:60631a,60634a
TITLE: Photoresist composition containing neo acid
derivative solvent
AUTHOR(S): Anon.
CORPORATE SOURCE: UK
SOURCE: Research Disclosure (1996), 383, 203
(No. 38346)
CODEN: RSDSBB; ISSN: 0374-4353
PUBLISHER: Kenneth Mason Publications Ltd.
DOCUMENT TYPE: Journal; Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
RD 383046		19960310	RD 1996-383046	19960310

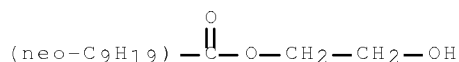
PRIORITY APPLN. INFO.: <-- RD 1996-383046 19960310

AB A radiation-sensitive resin composition is disclosed which comprises a solution of alkali-soluble resin and radiation-sensitive compound dissolved in a solvent. This composition is known as pos.-type resist composition comprising a naphthoquinonediazide radiation-sensitive compound. The type of solvent plays an important role in the formation of a uniform coating. A problem with the use of conventional solvents in the production of integrated circuit components is an environmental problem which associated with health concerns. It is found that neo-acid derivative solvents can be successfully used in resist compns. Examples of such solvents include Me pivalate, Et pivalate, hydroxyethyl neopentanoate, hydroxyethylneoheptanoate, hydroxyethylneononate, and hydroxyethylneodecanoate. These solvents can be used individually, or as part of a blend to achieve the specified solvency and evaporation rate.

IT 26544-32-1 104067-22-3 176598-20-2
, 2-Hydroxyethylneoheptanoate
(solvent; photoresist composition containing neo acid derivative solvent)

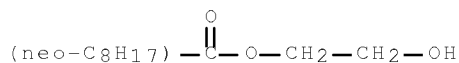
RN 26544-32-1 HCAPLUS

CN Neodecanoic acid, 2-hydroxyethyl ester (8CI, 9CI) (CA INDEX NAME)



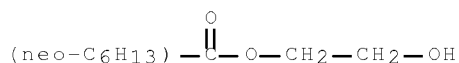
RN 104067-22-3 HCAPLUS

CN Neononanoic acid, 2-hydroxyethyl ester (9CI) (CA INDEX NAME)



RN 176598-20-2 HCAPLUS

CN Neoheptanoic acid, 2-hydroxyethyl ester (9CI) (CA INDEX NAME)



IT 26544-32-1 104067-22-3 176598-20-2
, 2-Hydroxyethylneoheptanoate

(solvent; photoresist composition containing neo acid derivative solvent)

L78 ANSWER 19 OF 44 HCAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 1994:438111 HCAPLUS Full-text

DOCUMENT NUMBER: 121:38111

ORIGINAL REFERENCE NO.: 121:6991a,6994a

TITLE: Non-irritating detergent compositions for
silicone oil soils

INVENTOR(S): Noda, Akira; Myazawa, Kyoshi

PATENT ASSIGNEE(S): Shiseido Co., Ltd., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 9 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
----- JP 06041583	A	19940215	JP 1992-197807	199207 01
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PRIORITY APPLN. INFO.:			JP 1992-197807	199207 01
			<--	

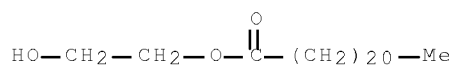
OTHER SOURCE(S): MARPAT 121:38111

AB The title detergents for body and hair shampoos contain 2-30% anionic surfactant polyvalent metal salts and 0.5-5% mono- or diesters of ethylene glycol with C16-22 fatty acids, at pH 5-8. A detergent comprised 15% Mg cocoylmethyltaurinate, 2% ethylene glycol distearate, some citric acid, some Na citrate, and water to 100% at pH 6.38.

IT 109376-47-8, Ethylene glycol monobehenate
(cleaning compns. containing, mild)

RN 109376-47-8 HCAPLUS

CN Docosanoic acid, 2-hydroxyethyl ester (CA INDEX NAME)



IT 109376-47-8, Ethylene glycol monobehenate
(cleaning compns. containing, mild)

L78 ANSWER 20 OF 44 HCAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 1994:413685 HCAPLUS Full-text

DOCUMENT NUMBER: 121:13685

ORIGINAL REFERENCE NO.: 121:2655a,2658a

TITLE: Cold-rolling oils and cold-rolling method using
them for aluminum and aluminum alloys

INVENTOR(S): Hosomi, Kazuhiro; Mase, Toshiaki

PATENT ASSIGNEE(S): Sumitomo Light Metal Industries, Ltd., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 12 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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JP 06108083	A	19940419	JP 1992-263548	199210 01
			<--	
JP 3251659	B2	20020128		
PRIORITY APPLN. INFO.:			JP 1992-263548	199210 01
				<--

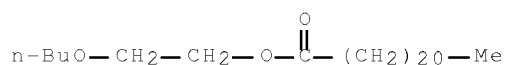
AB Cold-rolling oils comprise >1 of polypropylene, polyisobutylene, and polybutene (mol.-weight 200-330) as base oil 8-93, α -olefins having the general formula $\text{CH}_2:\text{CH}(\text{CH}_2)_n\text{CH}_3$ ($n = 9-25$) 5-90, and >1 of oiliness agent selected from alkoxyalkyl esters having the general formula $\text{R}_2\text{COO}(\text{C}_m\text{H}_{2m}\text{O})_n\text{R}_1$ ($\text{R}_1 = \text{C}_1-6$ alkyl, $\text{R}_2 = \text{C}_9-21$ alkyl; $m = 2-4$ integer, and $n = 1-3$ integer), neopentyl glycols having the general formulas $(\text{CH}_3)_2\text{C}(\text{CH}_2\text{OCOR}_3)\text{CH}_2\text{OH}$ and $(\text{CH}_3)_2[\text{CH}_2\text{O}(\text{C}_m\text{H}_{2m}\text{O})_n\text{COR}_4]_2$ (R_3 and $\text{R}_4 = \text{C}_1-9$ alkyl; $m = 2-4$ integer, and $n = 1-3$ integer), and glycerin derivs. having the general formulas $\text{R}_5\text{OCOCH}_2\text{CH}(\text{OH})\text{CH}_2\text{OCOR}_6$ and $\text{R}_7\text{OC}(\text{OH}_2m\text{C}_m)_n\text{OCH}_2\text{CH}[\text{O}(\text{C}_m\text{H}_{2m}\text{O})_n\text{COR}_8]\text{CH}_2\text{O}(\text{C}_m\text{H}_{2m}\text{O})_n\text{COR}_9$ ($\text{R}_5-9 = \text{C}_1-9$ alkyl; $m = 2-4$ integer, and $n = 1-3$ integer) 2-20 weight%.

IT 87891-58-5

(oiliness agent, cold-rolling oils containing, for aluminum and aluminum alloys)

RN 87891-58-5 HCAPLUS

CN Docosanoic acid, 2-butoxyethyl ester (CA INDEX NAME)



IT 87891-58-5

(oiliness agent, cold-rolling oils containing, for aluminum and aluminum alloys)

OS.CITING REF COUNT: 1 THERE ARE 1 CAPLUS RECORDS THAT CITE THIS RECORD (1 CITINGS)

L78 ANSWER 21 OF 44 HCAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 1994:55922 HCAPLUS Full-text

DOCUMENT NUMBER: 120:55922

ORIGINAL REFERENCE NO.: 120:10206h,10207a

TITLE: Polyoxymethylene molding composition with reduced melt flow instability

INVENTOR(S): Fleischer, Dietrich; Kirst, Andreas; Kohlhepp, Klaus; Sabel, Hans Dieter

PATENT ASSIGNEE(S): Hoechst A.-G., Germany

SOURCE: Eur. Pat. Appl., 6 pp.

CODEN: EPXXDW

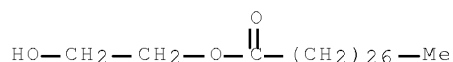
DOCUMENT TYPE: Patent

LANGUAGE: German

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO. -----	KIND ----	DATE -----	APPLICATION NO. -----	DATE
EP 548692	A2	19930630	EP 1992-121078	199212 10
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EP 548692	A3	19930908		
EP 548692	B1	19970326		
R: AT, BE, CH, DE, ES, FR, GB, IT, LI, NL, SE				
JP 05279550	A	19931026	JP 1992-329629	199212 09
<--				
US 5416152	A	19950516	US 1992-988720	199212 10
<--				
ES 2101789	T3	19970716	ES 1992-121078	199212 10
<--				
PRIORITY APPLN. INFO.:			DE 1991-4140898	A 199112 12
<--				
AB	The title compns. comprise esters of C22-34 fatty acids with C2-8 mono- or polyhydric alcs. and, optionally, alkali or alkaline earth metal salts of C22-34 fatty acids, and/or polyethylene wax. These additives effectively reduce surface regularities in articles molded from polyacetal (especially polyoxymethylene) resins, caused by breaking of the resin melts. For example, 2-mm-thick plate extruded and calendered from a trioxane-ethylene oxide copolymer (2% ethylene oxide) (I) containing 0.05% Wax OP (montanic acid butylene glycol ester mixture with Ca montanate) had a surface free from irregularities, compared to slightly irregular surface of a standard plate made from I containing 0.2% bis(N,N-stearoyl)ethylenediamine.			
IT	26787-65-5 (additive, polyoxymethylene molding composition containing, reduced melt flow instability of)			
RN	26787-65-5 HCAPLUS			
CN	Octacosanoic acid, 2-hydroxyethyl ester (CA INDEX NAME)			



IT 26787-65-5
(additive, polyoxymethylene molding composition containing, **reduced melt flow instability of**)

OS.CITING REF COUNT: 2 THERE ARE 2 CAPLUS RECORDS THAT CITE THIS RECORD (2 CITINGS)

L78 ANSWER 22 OF 44 HCAPLUS COPYRIGHT 2009 ACS on STN
 ACCESSION NUMBER: 1993:497888 HCAPLUS Full-text
 DOCUMENT NUMBER: 119:97888

ORIGINAL REFERENCE NO.: 119:17641a,17644a
 TITLE: Manufacture of water-repellent polyester fibers
 INVENTOR(S): Ogawa, Kimihiro; Yamada, Hironori
 PATENT ASSIGNEE(S): Teijin Ltd., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 6 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO. -----	KIND ----	DATE -----	APPLICATION NO. -----	DATE
JP 04337321	A	19921125	JP 1991-138553	199105 15
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PRIORITY APPLN. INFO.:			JP 1991-138553	199105 15
			<--	

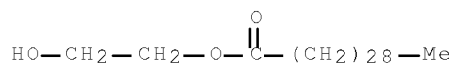
OTHER SOURCE(S): MARPAT 119:97888

AB The title fibers with good color and smoothness are prepared from diacids (mainly aromatic acids or their esters and diols containing ≥1 alkylene glycol in the presence of 5-10 parts (based on 100 parts acid component) ≥1 fatty acid ester of acid value 7-70 and Ti and Sb compound condensation catalysts. Di-Me terephthalate 100, ethylene glycol 58, and Mn acetate 0.08 part were heated to 240° with distillation of MeOH, treated with 0.097 parts tri-Me phosphate, 5.5 parts ethylene glycol monotanate (acid value 30), 0.03 mol% Sb₂O₃, and 0.03 mol% Ti trimellitate, polycondensed at 280° in vacuo, and the resulting polyester was melt-spun to give a fiber showing washfast water repellency and smooth handle.

IT ~~55130-02-4DP~~, PET modified by
 (fiber, durable, water-repellent, smooth, manufacture of, catalysts for)

RN 55130-02-4 HCAPLUS

CN Triacontanoic acid, 2-hydroxyethyl ester (CA INDEX NAME)



IT ~~55130-02-4DP~~, PET modified by
 (fiber, durable, water-repellent, smooth, manufacture of, catalysts for)

L78 ANSWER 23 OF 44 HCAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 1989:608007 HCAPLUS Full-text

DOCUMENT NUMBER: 111:208007

ORIGINAL REFERENCE NO.: 111:34317a,34320a

TITLE: Oxidation-resistant rare earth alloy powder for magnet

INVENTOR(S): Kusunoki, Masao; Oohashi, Takeshi; Tawara, Yoshio

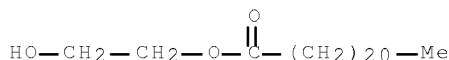
PATENT ASSIGNEE(S): Shin-Etsu Chemical Industry Co., Ltd., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 6 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO. -----	KIND ----	DATE -----	APPLICATION NO. -----	DATE
JP 01111801	A	19890428	JP 1987-267769	198710 23
			<--	
JP 2517734	B2	19960724		
PRIORITY APPLN. INFO.:			JP 1987-267769	198710 23
			<--	

AB The powder is $R_x(Fe_{1-a}Co_a)_{100-x-y-z}ByM_z$ ($R = Y$, ≥ 1 rare earth metal; $M =$ transition metal; $x = 25-35$; $y = 0.5-2$; $z = 0-10$; $a = 0-0.5$), which is surface-coated by a monocarboxylic acid or its reaction product with a polyhydric alc. An ingot containing Nd 32.0, Fe 63.2, Co 3.4, B 1.0, and Al 0.4 weight% was crushed, treated with stearic acid, dried, magnetized, shaped, and sintered to give a magnet with excellent magnetic properties and oxidation resistance.

IT 109376-47-8
 (surface treatment by, of rare earth alloy powder, for magnet)
 RN 109376-47-8 HCAPLUS
 CN Docosanoic acid, 2-hydroxyethyl ester (CA INDEX NAME)



IT 109376-47-8
 (surface treatment by, of rare earth alloy powder, for magnet)

L78 ANSWER 24 OF 44 HCAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 1989:200012 HCAPLUS [Full-text](#)

DOCUMENT NUMBER: 110:200012

ORIGINAL REFERENCE NO.: 110:33105a

TITLE: Solubility of long-chain fatty acid esters in selected organic one- and two-component solvents

AUTHOR(S): Domanska, U.

CORPORATE SOURCE: Dep. Phys. Chem., Tech. Univ. Warsaw, Warsaw, 00664, Pol.

SOURCE: Journal of Solution Chemistry (1989), 18(2), 173-88

CODEN: JSLCAG; ISSN: 0095-9782

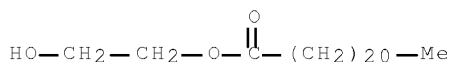
DOCUMENT TYPE: Journal

LANGUAGE: English

AB Three long-chain ethylene glycol monoesters of stearic, eicosanoic and behenic acids were synthesized and purified. Their solubilities in 25 pure solvents and in 28 binary solvent systems were investigated by a synthetic method from 280 to 320 K. The systems containing cyclohexane + alcs. and chlorohydrocarbons + alcs. mixed solvents exhibit a solubility synergistic

effect. The results of these measurements were correlated by the Wilson equation utilizing temperature dependent Δ_{ij} parameters.

IT 109376-47-8, Ethylene glycol monobehenate
(solubility of, in 1- and 2-component organic solvents)
RN 109376-47-8 HCAPLUS
CN Docosanoic acid, 2-hydroxyethyl ester (CA INDEX NAME)



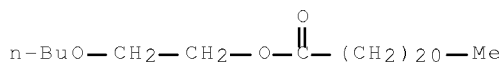
IT 109376-47-8, Ethylene glycol monobehenate
(solubility of, in 1- and 2-component organic solvents)
OS.CITING REF COUNT: 2 THERE ARE 2 CAPLUS RECORDS THAT CITE THIS
RECORD (2 CITINGS)

L78 ANSWER 25 OF 44 HCAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 1988:114393 HCAPLUS Full-text
DOCUMENT NUMBER: 108:114393
ORIGINAL REFERENCE NO.: 108:18741a,18744a
TITLE: Marking inks for erasable writing boards
INVENTOR(S): Kawaguchi, Keizo; Kuroyanagi, Kiyoshi
PATENT ASSIGNEE(S): Pilot Ink Co., Ltd., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 6 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
-----	----	-----	-----	
JP 62265377	A	19871118	JP 1986-109007	198605 13
			<--	
JP 05071064	B	19931006		
PRIORITY APPLN. INFO.:			JP 1986-109007	198605 13
			<--	

AB The title inks, giving markings easily erasable after exposure to high temperature and humidity without staining, contain 1-20% esters $\text{R}_1\text{CO}(\text{OZ})\text{nR}_2$ ($\text{R}_1 = \text{C}_5\text{-26 alk(en)yl}$; $\text{Z} = \text{C}_1\text{-4 alkylene}$; $\text{R}_2 = \text{alkyl, Ph}$; $\text{n} = 1\text{-10}$). An ink containing maleic acid-styrene copolymer-treated pigment 9, pentaethylene glycol isooctyl ether isooctanoate 6, and 7:3 EtOH-iso-PrOH 85% gave marking on a board which erased easily before and after exposure at 20°-50° and 20-95% relative humidity.

IT ~~87891-58-5~~
(inks containing, erasable, for writing boards)
RN 87891-58-5 HCAPLUS
CN Docosanoic acid, 2-butoxyethyl ester (CA INDEX NAME)



IT 87391-58-5

(inks containing, erasable, for writing boards)

L78 ANSWER 26 OF 44 HCAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 1987:446070 HCAPLUS Full-text

DOCUMENT NUMBER: 107:46070

ORIGINAL REFERENCE NO.: 107:7581a, 7584a

TITLE: Sunscreens containing silicone oil and cosmetic powders

INVENTOR(S): Umeno, Takashi; Ugawa, Midori; Hashimoto, Shigeru

PATENT ASSIGNEE(S): Sunstar, Inc., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 6 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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JP 62067015	A	19870326	JP 1985-207494	19850918

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PRIORITY APPLN. INFO.:

JP 1985-207494

19850918

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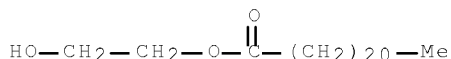
AB A semisolid sunscreen contains a low viscosity silicone oil 1-50, a cosmetic powder 5-70, silicone-treated TiO₂ fine powder 1-70% by weight in addition to at least one compound selected from the group comprising ethylene glycol fatty acid ester 1-20, 12-hydroxystearic acid 1-20, and candelilla wax 1-15% by weight. The combination of silicone oil and the powders is effective in preventing UV light penetration into the skin, and in resisting perspiration. Thus, a cream was prepared consisting of methylpolysiloxane 30.0, iso-Pr palmitate 12.0, isocetyl stearate 11.0, beef fat 1.0, stearic acid 1.0, ethylene glycol dipalmitate 4.0, ethylene glycol monobehenate 3.0, a polyethylene powder 3.0, talc 2.0, anhydrous SiO₂ 9.0, Black iron oxide 0.5, Bengara 1.5, Yellow iron oxide 2.0, a silicone-treated TiO₂ 10.0, and TiO₂ 10.0% by weight

IT 109376-47-8, Ethylene glycol monobehenate

(sunscreens containing silicon oil and cosmetic powders and)

RN 109376-47-8 HCAPLUS

CN Docosanoic acid, 2-hydroxyethyl ester (CA INDEX NAME)



IT 109376-47-8, Ethylene glycol monobehenate
(sunscreens containing silicon oil and cosmetic powders and)
OS.CITING REF COUNT: 1 THERE ARE 1 CAPLUS RECORDS THAT CITE THIS
RECORD (1 CITINGS)

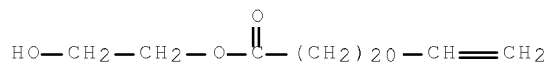
L78 ANSWER 27 OF 44 HCAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 1987:204965 HCAPLUS Full-text
DOCUMENT NUMBER: 106:204965
ORIGINAL REFERENCE NO.: 106:33081a,33084a
TITLE: MIS-junction electroluminescent device
INVENTOR(S): Naito, Katsuyuki; Mizushima, Koichi
PATENT ASSIGNEE(S): Toshiba Corp., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 6 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
-----	----	-----	-----	
JP 61226977	A	19861008	JP 1985-67005	198503 30

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PRIORITY APPLN. INFO.: JP 1985-67005
198503
30

<--
AB A MIS-type LED uses an insulator which consists of an ultrathin film of an organic compound which contains unsatd. bond(s) and ≥ 1 group(s) from aromatic, amide, imide, urethane, urea, carbonate, and ether groups, and which is capable of forming a monomol. film by polymerization and functional-group-exchange reactions to produce cross-linking between mols. or between mol. and substrate. Thus, a higher luminescence efficiency than the device using Cu phthalocyanine film was obtained.

IT 108280-18-8P
(preparation of, for insulator film in MIS LED)
RN 108280-18-8 HCAPLUS
CN 22-Tricosenoic acid, 2-hydroxyethyl ester (CA INDEX NAME)



IT 108280-18-8P
(preparation of, for insulator film in MIS LED)
OS.CITING REF COUNT: 1 THERE ARE 1 CAPLUS RECORDS THAT CITE THIS
RECORD (1 CITINGS)

L78 ANSWER 28 OF 44 HCAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 1986:611566 HCAPLUS Full-text
DOCUMENT NUMBER: 105:211566
ORIGINAL REFERENCE NO.: 105:34097a,34100a
TITLE: Cold rolling mill lubricant for manufacturing
steel sheets

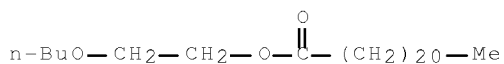
INVENTOR(S): Tanikawa, Keiichi; Fujioka, Yuji; Higaki, Yuzo;
 Goto, Hiroyuki
 PATENT ASSIGNEE(S): Nisshin Oil Mills Ltd., Japan; Nippon Steel
 Corp.
 SOURCE: Eur. Pat. Appl., 37 pp.
 CODEN: EPXXDW
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO. -----	KIND ----	DATE -----	APPLICATION NO. -----	DATE
EP 193870	A2	19860910	EP 1986-102534	198602 27
			<--	
EP 193870	A3	19870121		
EP 193870	B1	19900627		
R: BE, DE, FR, GB, IT, NL				
JP 61215699	A	19860925	JP 1985-36645	198502 27
			<--	
JP 03064559	B	19911007		
JP 61215700	A	19860925	JP 1985-36646	198502 27
			<--	
JP 63025639	B	19880526		
JP 61233087	A	19861017	JP 1985-74787	198504 09
			<--	
JP 63040838	B	19880812		
JP 61233089	A	19861017	JP 1985-74788	198504 09
			<--	
JP 02044874	B	19901005		
US 4891161	A	19900102	US 1986-832179	198602 24
			<--	
CN 86101976	A	19860827	CN 1986-101976	198602 27
			<--	
CN 86101976	B	19880727		
BR 8600829	A	19861111	BR 1986-829	198602 27
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PRIORITY APPLN. INFO.:			JP 1985-36645	A 198502 27
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			JP 1985-36646	A 198502

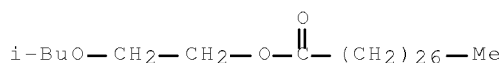
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JP 1985-74787 A 198504
09

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JP 1985-74788 A 198504
09

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AB The title lubricating oils are manufactured by mixing 1-95 weight% (preferably 20-70 weight%) of an ester of formula $R_1COO(R_2O)_nR_3$ ($R_1 = C_{\geq 7}$ alkyl, alkenyl, hydroxyalkyl, or hydroxyalkenyl; $R_2 =$ alkylene, $R_3 =$ alkyl or Ph; $n = 1-5$ integer), or $R_4(CO)O(R_5O)_m(CO)R_6$ ($R_4, R_6 = C_{\geq 5}$ alkyl, alkenyl, hydroxyalkyl or hydroxyalkenyl; $R_5 = C_{2-4}$ alkylene; $m \geq 1$ integer), with 1-95 weight% (preferably 20-70 weight%) of a base oil, which is extracted from orange roughy fish (*Hoplostethus*, containing $\geq 95\%$ wax ester) and has a low pour point and an excellent thermal stability when compared with animal and plant oils. An ethylene glycol mono-Bu ether-stearic acid (1.2:1 mol ratio) ester (I) was mixed with 60 weight% roughy (fish) oil (80% hydrogenated) to obtain a lubricating oil with a rolling load ratio 0.965 (value compared with refined beef tallow as reference), compared with 1.03 for the lubricating oil containing no I.
IT 87891-58-5 105426-25-3
(lubricating oils, containing hydrogenated orange roughy fish oil, for cold rolling of steel sheets)
RN 87891-58-5 HCAPLUS
CN Docosanoic acid, 2-butoxyethyl ester (CA INDEX NAME)



RN 105426-25-3 HCAPLUS
CN Octacosanoic acid, 2-(2-methylpropoxy)ethyl ester (CA INDEX NAME)



IT 87891-58-5 105426-25-3
(lubricating oils, containing hydrogenated orange roughy fish oil, for cold rolling of steel sheets)
OS.CITING REF COUNT: 2 THERE ARE 2 CAPLUS RECORDS THAT CITE THIS RECORD (2 CITINGS)

L78 ANSWER 29 OF 44 HCAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 1986:514613 HCAPLUS Full-text
DOCUMENT NUMBER: 105:114613
ORIGINAL REFERENCE NO.: 105:18535a,18538a
TITLE: Glycol monoesters
INVENTOR(S): Godwin, Allen David
PATENT ASSIGNEE(S): Exxon Research and Engineering Co. , USA

SOURCE: Eur. Pat. Appl., 21 pp.
 CODEN: EPXXDW
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO. -----	KIND ----	DATE -----	APPLICATION NO. -----	DATE
EP 178913	A2	19860423	EP 1985-307429	198510 15
			<--	
EP 178913	A3	19870610		
EP 178913	B1	19910306		
R: BE, DE, FR, GB, IT, NL				
JP 61097242	A	19860515	JP 1985-229790	198510 15
			<--	
US 4722811	A	19880202	US 1986-888580	198607 21
			<--	
PRIORITY APPLN. INFO.:			US 1984-660728	A 198410 15
			<--	
			US 1985-792139	A1 198510 28
			<--	

OTHER SOURCE(S): MARPAT 105:114613

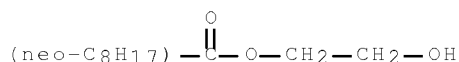
AB Glycol monoesters are prepared in high selectivity and at high conversion of the acid, with min. formation of byproducts, by reaction of an alkylene oxide with a sterically hindered carboxylic acid in presence of an amine catalyst. Thus, ethylene oxide was reacted with neononanoic acid in presence of (HOCH₂CH₂)₂NH to give ethylene glycol mononeononanoate.

IT 104067-22-3P

(preparation of, amine catalysts for)

RN 104067-22-3 HCAPLUS

CN Neononanoic acid, 2-hydroxyethyl ester (9CI) (CA INDEX NAME)



IT 104067-22-3P

(preparation of, amine catalysts for)

OS.CITING REF COUNT: 4 THERE ARE 4 CAPLUS RECORDS THAT CITE THIS RECORD (4 CITINGS)

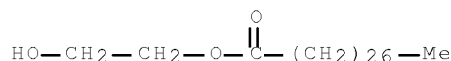
L78 ANSWER 30 OF 44 HCAPLUS COPYRIGHT 2009 ACS on STN
 ACCESSION NUMBER: 1986:470117 HCAPLUS Full-text
 DOCUMENT NUMBER: 105:70117
 ORIGINAL REFERENCE NO.: 105:11257a,11260a

TITLE: Electrostatographic developer magnetic carrier
 INVENTOR(S): Kasuya, Ryuhei; Koizumi, Fumio; Okuyama, Takeki; Shigeta, Kunio
 PATENT ASSIGNEE(S): Konishiroku Photo Industry Co., Ltd., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 12 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO. -----	KIND ----	DATE -----	APPLICATION NO. -----	DATE
JP 61009663	A	19860117	JP 1984-129217	198406 25

PRIORITY APPLN. INFO.: <-- JP 1984-129217 198406
25

AB The claimed carrier has an average particle diameter 10-50 μ m and is prepared by dispersing in a binder resin a magnetic powder and a mold lubricant. Zn stearate may be used as a lubricant for the above carrier.
 IT 26787-65-5
 (electrostatog. developer magnetic carriers containing)
 RN 26787-65-5 HCAPLUS
 CN Octacosanoic acid, 2-hydroxyethyl ester (CA INDEX NAME)



IT 26787-65-5
 (electrostatog. developer magnetic carriers containing)

L78 ANSWER 31 OF 44 HCAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 1983:623962 HCAPLUS Full-text

DOCUMENT NUMBER: 99:223962

ORIGINAL REFERENCE NO.: 99:34261a,34264a

TITLE: Magnetic recording medium

INVENTOR(S): Yamada, Yasuyuki; Tsuji, Nobuo; Okita, Tsutomu; Mukunoki, Yasuo

PATENT ASSIGNEE(S): Fuji Photo Film Co., Ltd. , Japan

SOURCE: U.S., 3 pp.
 CODEN: USXXAM

DOCUMENT TYPE: Patent
 LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO. -----	KIND ----	DATE -----	APPLICATION NO. -----	DATE
US 4405481	A	19830920	US 1980-220215	198012

PRIORITY APPLN. INFO.:

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JP 1979-173625A
197912
28

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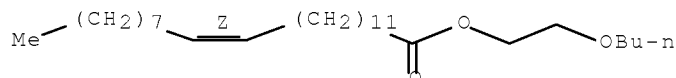
AB A magnetic recording medium contains ≥ 1 ferromagnetic powders, ≥ 1 binders, and a lubricant. The lubricant comprises (1) abrasive particles having a Mohs' hardness of .gtorsim.6 and a particle size of .ltorsim.5 μm and (2) an ester of an aliphatic acid having 20-26 C atoms and a monovalent alc. having 1-26 C atoms, e.g. Et erucate, Bu erucate, butoxyethyl erucate, Bu behenate, butoxyethyl behenate, octyl behenate, and 2-ethylhexyl behenate. The abrasive particles are selected from diamond, emery, spinel, garnet, flint, Fe oxides, Cr oxides, Al_2O_3 , SiC, BC, and their mixts. Fine ferromagnetic powders are selected from $\gamma\text{-Fe}_2\text{O}_3$, alloys (Fe-Co), CrO_2 , Fe_3O_4 , and Co-containing $\gamma\text{-Fe}_2\text{O}_3$, and have a particle size of 0.1-2.0 μm . The binder may be nitrocellulose, a vinyl chloride-vinyl acetate resin, or a polyurethane resin. C black may also be present as antistatic agent. The binder is present in an amount 20-35 parts by weight per 100 parts by weight ferromagnetic powder. For example, tapes with good running properties and wear resistance were manufactured from Co-containing $\gamma\text{-Fe}_2\text{O}_3$, nitrocellulose, vinyl chloride-vinyl acetate copolymer, polyurethane, SiC, and Bu erucate.

IT 87891-57-4 87891-58-5
(lubricant, in magnetic recording tapes)

RN 87891-57-4 HCAPLUS

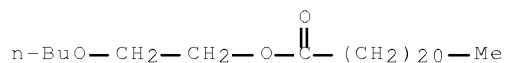
CN 13-Docosenoic acid, 2-butoxyethyl ester, (Z)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



RN 87891-58-5 HCAPLUS

CN Docosanoic acid, 2-butoxyethyl ester (CA INDEX NAME)



IT 87891-57-4 87891-58-5
(lubricant, in magnetic recording tapes)

RETABLE

Referenced Author	Year	VOL	PG	Referenced Work	
(RAU)	(RPY)	(RVL)	(RPG)	(RWK)	File
=====	+	+	+	+	+
==					
Anon				US 3704152 A	HCAPLUS
Anon				US 4020236 A	HCAPLUS
Anon				US 4172176 A	HCAPLUS
Anon				US 4247407 A	HCAPLUS

L78 ANSWER 32 OF 44 HCAPLUS COPYRIGHT 2009 ACS on STN

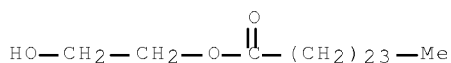
ACCESSION NUMBER: 1981:102852 HCAPLUS Full-text
DOCUMENT NUMBER: 94:102852
ORIGINAL REFERENCE NO.: 94:16763a,16766a
TITLE: Separation of straight-chain higher aliphatic
carbonyl compounds
PATENT ASSIGNEE(S): Agency of Industrial Sciences and Technology,
Japan; Lion Corp.
SOURCE: Jpn. Tokkyo Koho, 3 pp.
CODEN: JAXXAD
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
-----	----	-----	-----	
JP 55036650	B	19800922	JP 1976-146349	197612 06

PRIORITY APPLN. INFO.: <-- JP 1976-146349 A 197612
06

AB Straight-chain saturated higher aliphatic carbonyl compds., e.g., C18+
aliphatic acids, esters and aldehydes were separated from the corresponding
branched compds. by dissolving the mixts. in hot noncyclic ethers, keeping the
solns. at room temperature and separating the deposited crystals. Thus, 73-79%
pure stearic, n-docosanoic and n-octacosanoic acids, Et n-dexatriacontanoate,
and n-pentacosanoic acid ethylene glycol monoester were purified by dissolving
in Pr2O, (Me2CH)2O, Et2O, Et2O and PhOEt, resp., to give 100% pure compds.
Similarly, n-octadecanal and n-octatriacontanal were purified with Bu2O and
(EtOCH2CH2)2O, resp., to give 97% and 99% pure compds. resp.

IT 76651-59-7
(separation of, from branched compds. with ether)
RN 76651-59-7 HCAPLUS
CN Pentacosanoic acid, 2-hydroxyethyl ester (CA INDEX NAME)



IT 76651-59-7
(separation of, from branched compds. with ether)

L78 ANSWER 33 OF 44 HCAPLUS COPYRIGHT 2009 ACS on STN

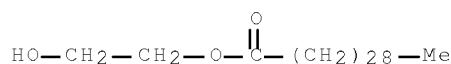
ACCESSION NUMBER: 1975:411434 HCAPLUS Full-text
DOCUMENT NUMBER: 83:11434
ORIGINAL REFERENCE NO.: 83:1927a,1930a
TITLE: Copolyarylate compositions with good mold
releasability
INVENTOR(S): Sakata, Hiroshi; Asahara, Nakaba; Okamoto,
Takashi
PATENT ASSIGNEE(S): Unitika Ltd.
SOURCE: Jpn. Kokai Tokkyo Koho, 5 pp.

DOCUMENT TYPE: CODEN: JKXXAF
LANGUAGE: Patent
FAMILY ACC. NUM. COUNT: 1 Japanese
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 49129747	A	19741212	JP 1973-42893	19730416
			<--	
JP 57014384	B	19820324		
PRIORITY APPLN. INFO.:			JP 1973-42893	A 19730416
				<--

AB Polyesters prepared from bisphenols and mixts. of terephthalic acid (I) and isophthalic acid (II) (or their derivs.) at I group/II group molar ratio = 1-9:1-9 were mixed with 0.01-5 weight% esters or partial esters of C12-30 aliphatic saturated monocarboxylic acids and <C30 aliphatic saturated mono- or polyhydric alcs. as lubricant. Thus, a 10% CH₂Cl₂ solution of polyester [25639-68-3] prepared by interphase-polymerization of 1:1 I dichloride-II dichloride mixture in CH₂Cl₂ with an aqueous alkaline solution of bisphenol A was mixed with 0.7 weight% ethylene glycol melissate [55130-02-4], evaporated to 30% concentration, kneaded, dried, pelleted at 300°, dried at 120°, and injection-molded. Internal mold pressure and mold-release resistance were 621 kg/cm² and 375 kg, as compared with 627 and 483 resp. for moldings prepared without the lubricant.

IT 55130-02-4
(bisphenol isophthalate terephthalate polyester compns. containing, with improved mold release)
RN 55130-02-4 HCAPLUS
CN Triacontanoic acid, 2-hydroxyethyl ester (CA INDEX NAME)



IT 55130-02-4
(bisphenol isophthalate terephthalate polyester compns. containing, with improved mold release)
OS.CITING REF COUNT: 1 THERE ARE 1 CAPLUS RECORDS THAT CITE THIS RECORD (1 CITINGS)

L78 ANSWER 34 OF 44 HCAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 1971:406937 HCAPLUS Full-text
DOCUMENT NUMBER: 75:6937
ORIGINAL REFERENCE NO.: 75:1143a,1146a
TITLE: Regenerated cellulose films coated with a vinylidene chloride copolymer
PATENT ASSIGNEE(S): Kalle A.-G.
SOURCE: Fr. Demande, 9 pp.
CODEN: FRXXBL
DOCUMENT TYPE: Patent
LANGUAGE: French

FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
FR 2016841		19700703	FR	

PRIORITY APPLN. INFO.:

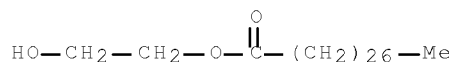
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DE
196807
31

AB Printable and nonadherent regenerated cellulose (I) packaging films having reduced water vapor permeability were prepared by coating ≥1 surface with 81:0.6:3:15.4 vinylidene chlorideacrylic acid-acrylonitrile-vinyl chloride copolymer (II) composition containing an anti-friction agent. A I film containing 19% of 8:5:7 glycerol-urea-triethylene glycol and 7.5% H2O was coated on both surfaces with a solution of 93.4% II, 6.0% dilauryl ketone, and 0.6% CaCO3 in THF-PhMe to form a pressure-weldable film with reduced water vapor permeability. Approx. 3% partially saponified butylene glycol montanate, ethylene glycol montanate, or oxazolinic wax [1-alkyl-3-bis(hydroxymethyl)oxazoline diester] may be added to the II composition as adhesion resistance agents.

IT 26787-65-5
(antiblocking agents, for regenerated cellulose films for packaging materials)

RN 26787-65-5 HCAPLUS

CN Octacosanoic acid, 2-hydroxyethyl ester (CA INDEX NAME)



IT 26787-65-5
(antiblocking agents, for regenerated cellulose films for packaging materials)

L78 ANSWER 35 OF 44 HCAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 1970:498407 HCAPLUS Full-text

DOCUMENT NUMBER: 73:98407

ORIGINAL REFERENCE NO.: 73:16055a,16058a

TITLE: Emollients comprising diesters derived from sterically hindered carboxylic acids

INVENTOR(S): Coopersmith, Myron

PATENT ASSIGNEE(S): Esso Research and Engineering Co.

SOURCE: Brit., 19 pp.
CODEN: BRXXAA

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
GB 1199508		19700722	GB 1968-17425	

196804

11

US 3651102

19720321 US

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196705

01

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PRIORITY APPLN. INFO.:

US

196705

01

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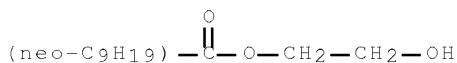
AB Ether alkyl diesters (R1CO2X)2O (I) and alkyl diesters (R1CO2)2X (II) are prepared from sterically hindered glycol monoesters by acid or base catalyzed reactions. Thus, ethylene glycol mono-neodecanoate in xylene containing p-MeC6H4SO3H heated 5 hr at 160-200° under a Dean-Stark head and the cooled mixture washed until neutral with 10% aqueous NaOH, the product stripped and flash distilled at 183-4°/1.0 mm gave diethylene glycol di-neodecanoate (III). Selectivity and conversion to product under varying temperature conditions are tabulated. Analogously, neodecanoic acid and diethylene glycol in PhMe containing concentrated H2SO4 distilled 17 hr at 145-50° yielded 90% III with Garner color 1-2 indicating that direct esterification was not feasible for preparation of I. III, isopropyl myristate, and propylene glycol dipelargonate useful for cosmetic purposes were hydrolyzed at 20° and 50° with 0.25N NaOH in 10% aqueous MeOCH2CH2OH and with 0.25N HCl in 10% aqueous Me2CO. Sterically hindered carboxyl radicals of III markedly reduced hydrolysis under both basic and acidic conditions. I showed superior foam stability in shampoo formulation under static and dynamic conditions. Comparison of I and II under dynamic shampoo conditions showed the products to be equally good in their lack of foam suppression.

IT 26544-32-1

(self-condensation reaction of, catalysts for)

RN 26544-32-1 HCAPLUS

CN Neodecanoic acid, 2-hydroxyethyl ester (8CI, 9CI) (CA INDEX NAME)



IT 26544-32-1

(self-condensation reaction of, catalysts for)

L78 ANSWER 36 OF 44 HCAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 1970:80653 HCAPLUS Full-text

DOCUMENT NUMBER: 72:80653

ORIGINAL REFERENCE NO.: 72:14715a,14718a

TITLE: Water repellent solid compounds containing paraffin

INVENTOR(S): Hess, Richard; Wirtz, Guenter

PATENT ASSIGNEE(S): Chemische Fabrik Stockhausen und Cie.

SOURCE: Ger., 3 pp.

CODEN: GWXXAW

DOCUMENT TYPE: Patent

LANGUAGE: German

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.

KIND

DATE

APPLICATION NO.

DATE

DE 1469295

A

19690424

DE 1964-C34739

196412
24

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PRIORITY APPLN. INFO.:

DE 1964-C34739

A

196412
24

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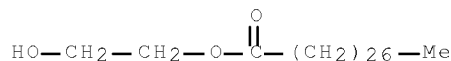
AB Solid compds. stable at 35° are formed by mixing paraffin with a compound obtained by treating a C1-5 alkoxide of Ti or Al, e.g. Ti tetraalcoholate, with 0.25-0.8 mole C5-10 diols, e.g. 1,5-pentanediol, at 110°. The compound obtained is then treated with 0.05-0.3 mole montanic acid-diol monoester having 2-6 C atoms in the alkyl radical, e.g. 1,4-butylene glycol. The free alcs. are distilled and optionally a carboxy acid m.>45° is added. For example, 73 parts by weight octylene glycol was treated with 100 parts Al sec-butylate by mixing at room temperature. After addition of 205 parts montanic acid-butylene glycol monoester the mixt. was heated for 1 hr at 90°. The free sec-BuOH was distilled under vacuum. The 258 parts wax obtained and 500 parts paraffin were melted together at 80°. After cooling, the compound was chipped out of the container.

IT 26787-65-5

(waterproofing compns. with hexanediol reaction products with titanium tetrabutylate and paraffin wax)

RN 26787-65-5 HCAPLUS

CN Octacosanoic acid, 2-hydroxyethyl ester (CA INDEX NAME)



IT 26787-65-5

(waterproofing compns. with hexanediol reaction products with titanium tetrabutylate and paraffin wax)

L78 ANSWER 37 OF 44 HCAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 1969:449309 HCAPLUS Full-text

DOCUMENT NUMBER: 71:49309

ORIGINAL REFERENCE NO.: 71:9044h,9045a

TITLE: Fatty acid-ethylene glycol monoesters

PATENT ASSIGNEE(S): Henkel und Cie. G.m.b.H.

SOURCE: Brit., 9 pp.

CODEN: BRXXAA

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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GB 1147482		19690402	GB 1967-36305	196708 08

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DE 1568777

DE

FR 1533726

FR

PRIORITY APPLN. INFO.:

DE

196608
09

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AB Fatty acids (8-18 C atoms) are treated with ethylene oxide (I), 1:1 acid-I molar ratio, in the presence of NaOMe at 230-90° at 50-100 atmospheric, in a described apparatus, to give the title esters; monoesters are also prepared from I-acid addition products 1:1-6:1 I-acid molar ratio and I. The residence time of the reactants is 15-80 sec. Thus, lauric acid (II) is mixed with NaOMe solution, MeOH evaporated in vacuo at 8-100° to give II containing 0.2 weight % Na, 1:1 II-I introduced into a reactor, the mixture heated to 231°, and the pressure adjusted to 60-70 atmospheric (maximum temperature 252° and the residence time .apprx.55 sec.) to give a mixture containing II 9.3, glycol (or polyglycol) 1.1, ethylene glycol monolaurate 75.2, and ethylene glycol dilaurate 12.7% as compared to 0.1, 8.0, 42.4, and 48.9, resp., for the control (reaction temperature 143-52°). Monoesters are also prepared from I and a C12-18 fatty acid mixture (III), a C8-10 fatty acid mixture (IV), oleic acid, erucic acid, ethylene glycol monoesters of III, IV, and oleic acid, and 4:1 I-oleic acid addition product.

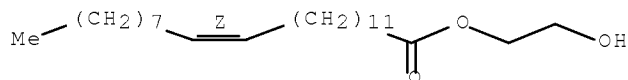
IT 24758-04-1P

(preparation of)

RN 24758-04-1 HCAPLUS

CN 13-Docosenoic acid, 2-hydroxyethyl ester, (Z)- (8CI) (CA INDEX NAME)

Double bond geometry as shown.



IT 24758-04-1P

(preparation of)

L78 ANSWER 38 OF 44 HCAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 1969:440588 HCAPLUS Full-text

DOCUMENT NUMBER: 71:40588

ORIGINAL REFERENCE NO.: 71:7531a,7534a

TITLE: Monoethoxylation of hindered carboxylic acids

AUTHOR(S): Coopersmith, M.; Maggart, R. C.

CORPORATE SOURCE: Enjay Chem. Lab., Linden, NJ, USA

SOURCE: Journal of the American Oil Chemists' Society (1969), 46(6), 332-4

CODEN: JAOCA7; ISSN: 0003-021X

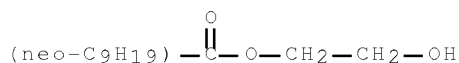
DOCUMENT TYPE: Journal

LANGUAGE: English

AB Polyethoxylates of unhindered fatty acids are well known as surface-active agents. The monoethoxylates of these acids, however, are difficult to prepare in good yields. It has now been demonstrated that monoethoxylates of hindered aliphatic acids can be prepared in high selectivity and conversion. Exptl. conditions are reported which overcome serious side reactions prevalent with unhindered acids.

IT 26544-32-1P

(preparation of)
RN 26544-32-1 HCAPLUS
CN Neodecanoic acid, 2-hydroxyethyl ester (8CI, 9CI) (CA INDEX NAME)



IT 26544-32-1P
(preparation of)

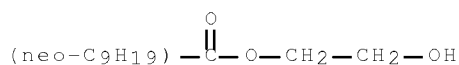
L78 ANSWER 39 OF 44 HCAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 1968:495986 HCAPLUS Full-text
DOCUMENT NUMBER: 69:95986
ORIGINAL REFERENCE NO.: 69:17939a,17942a
TITLE: Glycol monoesters from ethylene oxide
PATENT ASSIGNEE(S): Esso Research and Engineering Co.
SOURCE: Fr., 6 pp.
CODEN: FRXXAK
DOCUMENT TYPE: Patent
LANGUAGE: French
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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FR 1499027		19671020	FR 1966-83543	196611 14

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AB The title compds. were obtained by treating ethylene or propylene oxide with a carboxylic acid bearing a sterically hindered carboxylic group, in the presence of 0.01-5 mole % water-free NaOH at 140-200° and 0-7 bar. Thus, 172 g. neodecanoic acid and 1 g. powdered NaOH was heated to 150-60° under N. Gaseous ethylene oxide was introduced during 5 hrs. at 150° to give 94.5% hydroxyethyl ester, b0.7 112.5-14°. With 0.5 g. NaOH per mole neodecanoic acid at 200° 89.6% ester was obtained. Similarly were obtained the hydroxyethyl esters of trimethylacetic acid, 2,2,6,6-tetramethylpimelic acid, dimethylcyclohexylacetic acid, and dimethylphenylacetic acid as well as the hydroxypropyl ester of neodecanoic acid. The esters are used as intermediate products for the preparation of plasticizers, cosmetics, lubricants for textiles and functional liquids.

IT 26544-32-1P
(preparation of)
RN 26544-32-1 HCAPLUS
CN Neodecanoic acid, 2-hydroxyethyl ester (8CI, 9CI) (CA INDEX NAME)



IT 26544-32-1P
(preparation of)

L78 ANSWER 40 OF 44 HCAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 1968:486393 HCAPLUS Full-text
DOCUMENT NUMBER: 69:86393
ORIGINAL REFERENCE NO.: 69:16123a,16126a
TITLE: Glycol monoesters
INVENTOR(S): Rutkowski, Alfred J.; Coopersmith, Myron
PATENT ASSIGNEE(S): Esso Research and Engineering Co.
SOURCE: Brit., 11 pp.
CODEN: BRXXAA
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
GB 1119897		19680717	GB 1966-47676	196610 24

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DE 1568477

DE

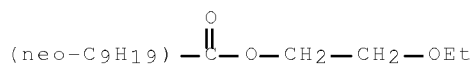
AB Monoesters of glycol are prepared by heating a sterically hindered acid with ethylene oxide (I) in the presence of NaOH at 150-60°. Into a mixture of 172 g. neodecanoic acid (II) and 1 g. NaOH under N at 150-60° was passed I at such a rate that all the gas was absorbed. Reaction was monitored by gas chromatog., being stopped when substantially all the acid had reacted. Distillation gave two fractions (a) b0.7 112.5-14°, II monoethoxylate (III), and (b) b0.3 154-7°, di-II ester of glycol (IV). The yields of III and IV after 10 hrs. were 81.9% and 6.0%, resp. Doubling the concentration of NaOH resulted in a 94.5% yield of III after 5 hrs. Other acids used were Me3CCO2H, HO2CCMe2(CH2)3Me2CCO2H, dimethylcyclohexylacetic acid, and PhMe2CCO2H.

IT 27576-56-3P

(manufacture of)

RN 27576-56-3 HCAPLUS

CN Neodecanoic acid, 2-ethoxyethyl ester (8CI) (CA INDEX NAME)



IT 27576-56-3P

(manufacture of)

OS.CITING REF COUNT: 1 THERE ARE 1 CAPLUS RECORDS THAT CITE THIS RECORD (1 CITINGS)

L78 ANSWER 41 OF 44 HCAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 1957:39061 HCAPLUS Full-text
DOCUMENT NUMBER: 51:39061
ORIGINAL REFERENCE NO.: 51:7297h-i
TITLE: Synthesis of esters of lignoceric alcohol and lignoceric acid
AUTHOR(S): Khaletskii, A. M.; Gorskaya, N. M.
CORPORATE SOURCE: Chem. Pharm. Inst., Leningrad
SOURCE: Zhurnal Obshchei Khimii (1956), 26, 2765-7

CODEN: ZOKHA4; ISSN: 0044-460X

DOCUMENT TYPE: Journal
LANGUAGE: Unavailable

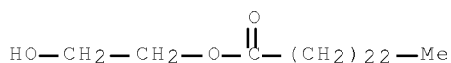
AB cf. C.A. 49, 6288c. Heating 1 mole lignoceric alc. with 4 moles carboxylic acid in the presence of 2 moles H₂SO₄ 10 hrs. gave the following lignoceryl esters: oleate, m. 44-8°; oxalate, m. 81-2°; malonate, m. 80-1°; and adipate, m. 79-80°. The alc. and Ac₂O gave the acetate, m. 55-7°, while HCO₂Na and the alc. with NaHSO₄ gave the formate, m. 57-9°. Lignoceric acid and 4 moles (CH₂OH)₂ in 10 hrs. at 180° gave the ethylene dilignocerate, m. 74-6° (from Me₂CO), m. 79-81° (from CHCl₃); similarly, glycerol gave the glyceryl trilignocerate, m. 73-5° (from Me₂CO), m. 63-7° (from CHCl₃).

IT 103048-83-5

(Derived from data in the 6th Collective Formula Index
(1957-1961))

RN 103048-83-5 HCAPLUS

CN Tetracosanoic acid, 2-hydroxyethyl ester (CA INDEX NAME)



IT 103048-83-5

(Derived from data in the 6th Collective Formula Index
(1957-1961))

L78 ANSWER 42 OF 44 HCAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 1957:39060 HCAPLUS Full-text

DOCUMENT NUMBER: 51:39060

ORIGINAL REFERENCE NO.: 51:7297g-h

TITLE: Separation and identification of fatty acids.

XXI. Paper chromatography of fatty acids as
their p-bromophenacyl ester derivatives

AUTHOR(S): Inoue, Yoshiyuki; Hirayama, Osamu; Noda, Manjiro

CORPORATE SOURCE: Kyoto Univ.

SOURCE: Bulletin of the Agricultural Chemical Society of
Japan (1956), 20, 200-5

CODEN: BACOAV; ISSN: 0375-8397

DOCUMENT TYPE: Journal

LANGUAGE: Unavailable

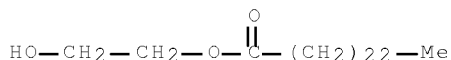
AB Aliphatic acids were separated by paper chromatography as their p-bromophenacyl ester 2,4-dinitrophenylhydrazones and their Hg(OAc)₂ addition compds. Petroleum hydrocarbon (b. 140-170°) was used as the stationary solvent and MeOH-HOAc-petroleum hydrocarbon as the moving solvent. Even number C saturated acids from C₄-C₂₂, even number C monoolefinic acids from C₁₀-C₂₂ and the C₁₈ series from stearic to linolenic were well separated. Paper impregnated with Decalin and olive oil was also used for the separation.

IT 103048-83-5

(Derived from data in the 6th Collective Formula Index
(1957-1961))

RN 103048-83-5 HCAPLUS

CN Tetracosanoic acid, 2-hydroxyethyl ester (CA INDEX NAME)



IT 103048--83--5

(Derived from data in the 6th Collective Formula Index
(1957-1961))

L78 ANSWER 43 OF 44 HCAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 1952:50518 HCAPLUS
DOCUMENT NUMBER: 46:50518
ORIGINAL REFERENCE NO.: 46:8398c-d
TITLE: Wax compound
INVENTOR(S): Trusler, Ralf B.
PATENT ASSIGNEE(S): Davies-Young Soap Co.
DOCUMENT TYPE: Patent
LANGUAGE: Unavailable
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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US 2596829		19520513	US 1949-95562	194905 26

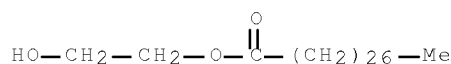
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AB A wax to be sprayed consists of 4-6% montanic acid ester of ethylene glycol and a petroleum solvent with a flash point between 50-90°. For airplane use the ratio is 4 lb. wax to 100 lb. solvent with 12.5% of the wax being in solution and the balance in suspension. For automobile use the ratio is 2% wax to 98% solvent with 20% of the wax being in solution and the balance in suspension.

IT 26787-65-5, Ethylene glycol, montanic acid ester of
(sprayable coatings from)

RN 26787-65-5 HCAPLUS

CN Octacosanoic acid, 2-hydroxyethyl ester (CA INDEX NAME)



IT 26787-65-5, Ethylene glycol, montanic acid ester of
26787-65-5, Montanic acid, ethylene glycol ester of
(sprayable coatings from)

L78 ANSWER 44 OF 44 HCAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 1950:26381 HCAPLUS
DOCUMENT NUMBER: 44:26381
ORIGINAL REFERENCE NO.: 44:5155a-c
TITLE: Impregnating and coating compositions
INVENTOR(S): Jubansky, Louis J.
PATENT ASSIGNEE(S): Baker Castor Oil Co.
DOCUMENT TYPE: Patent
LANGUAGE: Unavailable
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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US 2494559

19490117 US

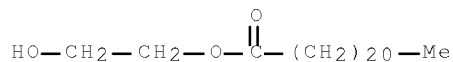
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AB Compns. like those of C.A. 42, 8530c are made from 5-50% of a nonhydrogenated air-blown unsatd. polyhydric fatty ester and 50-95% of a solid monohydric ester of a saturated fatty acid containing more than 10 C atoms and an O atom in addition to those of the ester linkage. 12-Hydroxystearic acid (I) Me ester 85 and solid blown castor oil (II) 15 parts, stirred together at 150°, gave on cooling a soft wax, insol. in hydrocarbons, suitable (in melted form) for impregnating leather, cloth, or paper. Similar products are made from I octyl ester and blown II, I benzyloxy ester and blown pentaerythritol tetra(4-ketoeleostearate), Et 2-hydroxybehenate and blown polypentaerythritol sorbate, 9,10-dihydroxystearic acid (III) heptyl ester and blown sorbitol tetrahendecylate, and from III tetrahydrofurfuryl ester and the blown tetraester of hexahydroxycyclohexane and stearolic acid.

IT 109376-47-8P, Docosanoic acid, 2-hydroxy-, ethyl ester
(preparation of)

RN 109376-47-8 HCAPLUS

CN Docosanoic acid, 2-hydroxyethyl ester (CA INDEX NAME)



IT 109376-47-8P, Docosanoic acid, 2-hydroxy-, ethyl ester
(preparation of)

OS.CITING REF COUNT: 2 THERE ARE 2 CAPLUS RECORDS THAT CITE THIS
RECORD (2 CITINGS)